

Networks Solution Expert IP-COM



1 About IP-COM

2 Product

3 Solution

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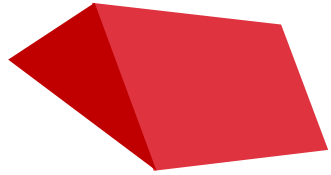


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IP-COM Company Value

- **Vision**

To Be Your Optimum Choice of Commercial Networking Solution

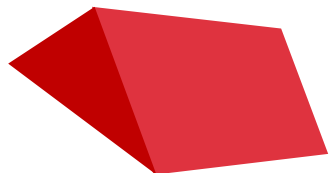
- **Mission**

To Maximize the Value of Your Internet Connection

- **Commitment**

Customer Success

Continuous Self-innovative Development



IP-COM Company Milestone

IP-COM

Inception

ORACLE



SAP & ORACLE
Dual band ceiling AP



11AC ceiling AP



Third-generation
wireless control system

2007

2009

2011

2012

2013

2014

2015

2016



Expand Factory



World Top3 Hotel
WLAN Supplier
IPD / IBM
Wall Plate AP



11AC speed AP series

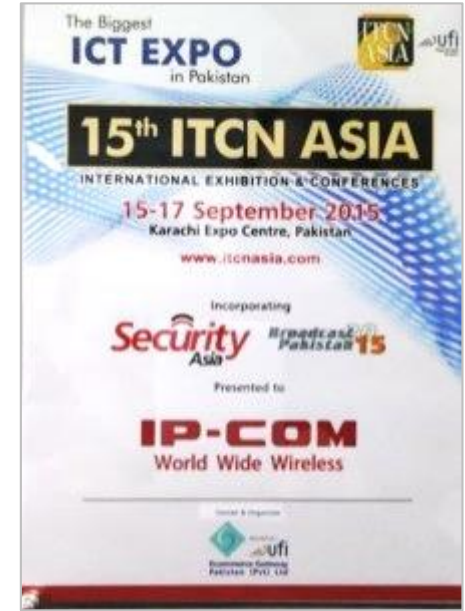


Cloud wireless
networking solution

IP-COM

WORLD WIDE WIRELESS

IP-COM Company Honor



No.1 Brand for Hospitality WLAN



Research & Development

R&D Group



Product & Solution Dept.

Research & Management Dept.

Software Development Dept.

Hardware Development Dept.

Test Management Dept.

Platform Development Dept.

Structure Plane Dept.



**90% from
Communication
Industry**

1000m² modern labs



- neat environment
- cutting-edge equipment
- experienced engineer



Global R&D Base

American Silicon Valley

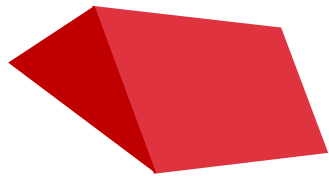


Chengdu



Shenzhen

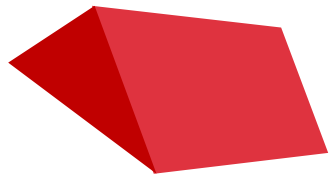




Patent Glance



IP-COM applies for a large number of patents every year
Patents include **Hardware, Software and Design** three categories



Product Certificate



CE Certificate



FCC Certificate



RoHS Certificate



Products compliant with **WPC**



Products compliant with **SASO**



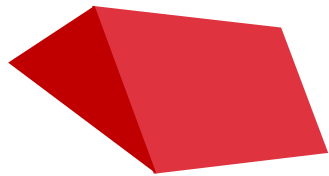
Products compliant with **CCC**



Products compliant with **NBTC**



ISO 9001:2008, ISO 14001



Cooperation Alliance & Key Partner



ORACLE®

Oracle PLM
system



IBM®

R&D PMS



SAP®

SAP Management
System



BROADCOM®

Strategic Partner



intel® IC+

Key Partner



Product Lines & Manufacture Supply

SMT Lines

20

CELL Lines

2

PSU Lines

5

**Assembly
Lines**

18

**Antenna
Lines**

2

Dongguan, China

- Area : **50000m²**
- Workers : Over **2500**
- Daily Production: **120K**

IP-COM

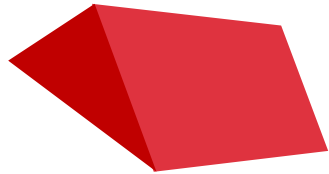
WORLD WIDE WIRELESS



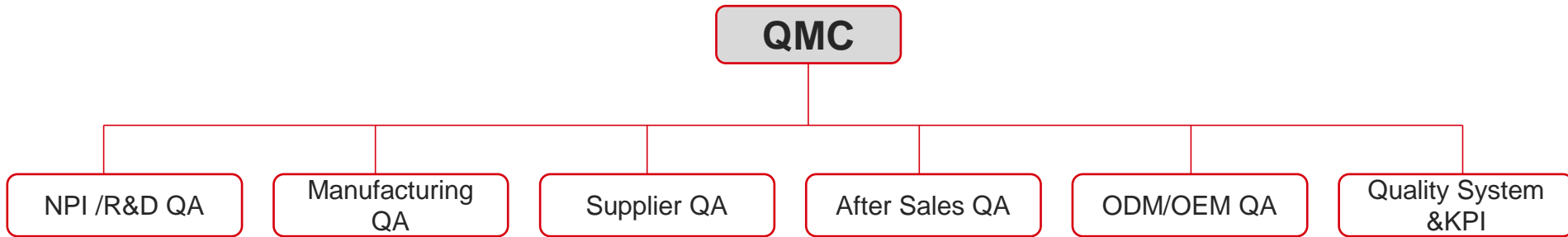


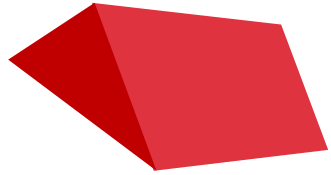
Global warehouse base





Quality Control Process





WLAN Solution



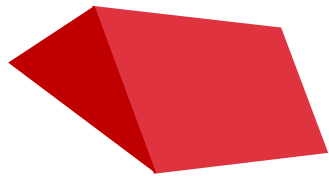
Provide Commercial WLAN Solution for
Enterprise、Hospitality、Education、Shopping Mall etc.

More than **50000** Successful Cases Over the World.



Global Market

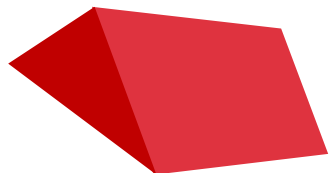




Global Cooperation

Value services, win-win cooperation

Hospitality	Enterprise	Education	Healthcare	Shopping Mall
				
				
				
				
				



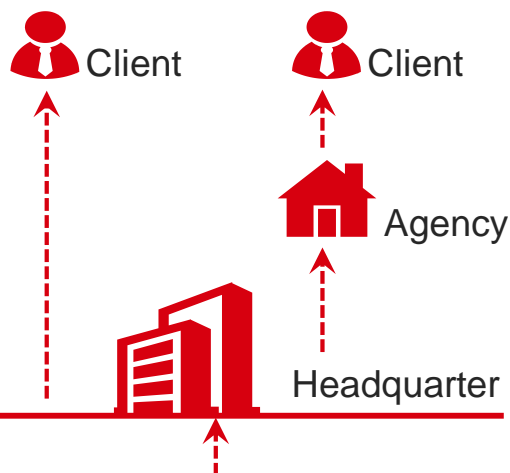
Service & Support

We will offer dedicated service to you.

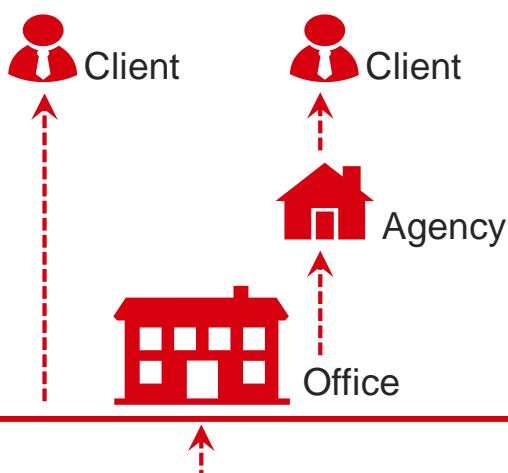
PM accepts the technical consultation at any time and offers on-site service support.

Global offices offer pre-sales, sales and after-sales service directly.

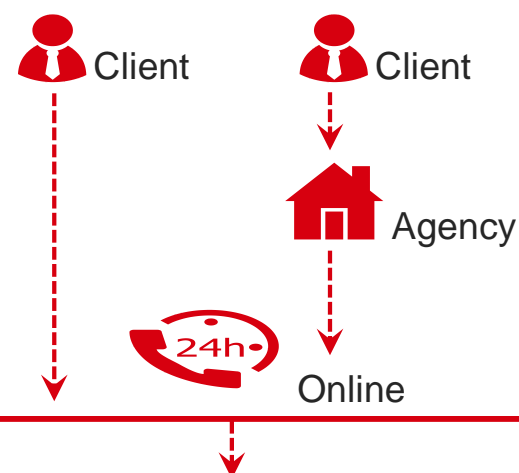
Online free service hotline offers remote fault analysis and technical guidance.



PM On-site Service Support



Office Service Support



Online Service Support

IP-COM Client Service System

IP-COM

WORLD WIDE WIRELESS

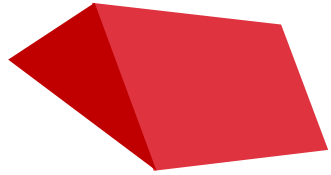


1 About IP-COM

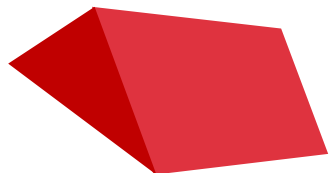
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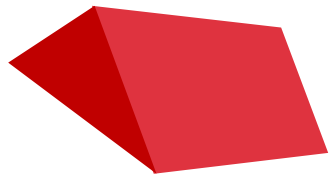


Multi-WAN Hotspot Router



Products Introduce

	M10-PoE	M30	M50	M80
RAM	64MB	512MB	512MB	4GB
FLASH	16MB	128MB	128MB	1GB
Maximum Number of Users	30	50	100	300
Ports	1-2 WAN / 4-1 LAN	1-4 WAN/4-1 LAN	1-4 WAN/4-1 LAN	1-4 WAN/4-1 LAN
Multi WAN application	Line Backup, Bandwidth superposition, Policy routing	Line Backup, Bandwidth superposition, Policy routing	Line Backup, Bandwidth superposition, Policy routing	Line Backup, Bandwidth superposition, Policy routing
Flow Control	Smart flow control, Custom flow control	Smart flow control, Custom flow control	Smart flow control, Custom flow control	Smart flow control, Custom flow control
Behavior management	IP and time group Web classification filtering Web application filtering Port filtering MAC filtering	IP and time group Web classification filtering Web application filtering Port filtering MAC filtering	IP and time group Web classification filtering Web application filtering Port filtering MAC filtering	IP and time group Web classification filtering Web application filtering Port filtering MAC filtering
Authentication method	WEB、PPPoE、Facebook	WEB、PPPoE、Facebook	WEB、PPPoE、Facebook	WEB、PPPoE、Facebook
VPN service	IPsec/PPTP/L2TP	IPsec/PPTP/L2TP	IPsec/PPTP/L2TP	IPsec/PPTP/L2TP
AP Controller	8APs	8APs	16APs	32APs



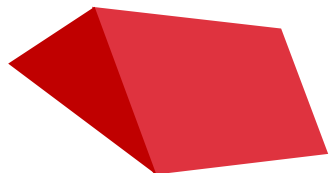
M10-PoE Introduce



M10-PoE is a multi WAN router designed by IP-COM for small business and Intelligent family, villa.

- Professional network processor, it is recommended that the maximum number of 30 people.
- Support intelligent AP management, maximum management 8APs.
- Port support PoE power supply, maximum support for 4*LAN port.
- Provide intelligent flow control, QoS priority, manual flow control, customize the speed limit for users and provide high quality network environment.





M10-PoE Parameter

Performance Parameter

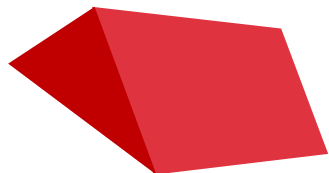
	URL library	Number of concurrent connections	AP management	Maximum Number of Users
M10-PoE			8	30

Hardware Parameter

	CPU	RAM	FLASH	Ports	PoE Supply	Dimensions
M10-PoE	Single core 400MHz	64MB	16MB	5*100	4*Ports Max 35W supply	177*103*26 (mm)

Software Parameter

	WAN port parameter	Behavior management	Authentication	Flow control	VPN	Virtual Server	USB application	Security setting	Cloud services
M10 - PoE	2WAN	Based URL, Application feature library, Port based	WEB, PPPoE, Facebook	Smart Flow control Custom flow control	PPTP, L2TP, IPSEC	DMZ, Port mapping, DDNS, UPNP	USB File Sharing	IP-MAC binding, Attack Defense	Online upgrade



Highlight

Multi WAN Application

- Line Backup
- Bandwidth superposition

4-1 10/100M LAN Ports

- Support Provide a fixed WAN port, a fixed LAN port, 3 WAN/LAN variable ports

Multi Authentication method

- PPPoE
- WEB
- Facebook

PoE Supply

- Support to provide the maximum 35W power supply.



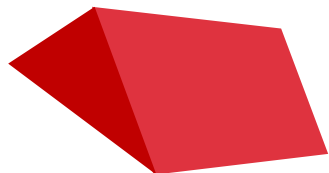
AP management

- Support 8s AP management
- Plug and play

ARM High performance network processor

Automatic bandwidth management

- Smart flow control
- Custom Flow Control



M30 Introduce



M30 is a multi WAN router designed by IP-COM for small and medium enterprises, rental houses, and restaurants.

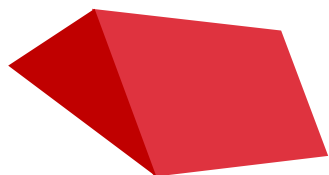
- Support 4 WAN ports, easily realize the bandwidth superposition.
- Support IP Sec/PPTP/L2TP VPN , the maximum 13 concurrent tunnels , easily building a secure VPN connection.
- Support Web certification, Facebook , WIFI, PPPoE Server authentication methods.
- AC management function, can manage all IP-COM models of AP.



Setting up the small and medium enterprise and restaurant efficiently and safely.

IP-COM

WORLD WIDE WIRELESS



M30 Parameter

Performance Parameter

	URL library	Number of concurrent connections	AP management	Maximum Number of Users
M30	78000 URL	50000	8	50

Hardware Parameter

	CPU	RAM	FLASH	Ports	Power Supply	Dimensions
M30	Single core 800MHz	512MB	128MB	5*1000	Built-in switching power supply	294*178.8*44 (mm)

Software Parameter

	WAN port parameter	Behavior management	Authentication	Flow control	VPN	Virtual Server	USB application	Security setting	Cloud services
M30	4WAN	Based URL, Application feature library, Port based	WEB, PPPoE, Facebook, Message.	Smart flow control Custom flow control	PPTP, L2TP, IPSEC	DMZ, Port mapping, DDNS, UPNP	USB File Sharing	IP-MAC binding, Attack Defense	Online upgrade

Highlight

Multi WAN Application

- Line Backup
- Bandwidth superposition

Multi Authentication method

- PPPoE
- WEB
- Facebook
- Message

4-1 10/100M LAN Ports

- Support Provide a fixed WAN port, a fixed LAN port, 3 WAN/LAN variable ports

1-4 10/100M WAN Ports

- Support Provide a fixed WAN port, a fixed LAN port, 3 WAN/LAN variable ports



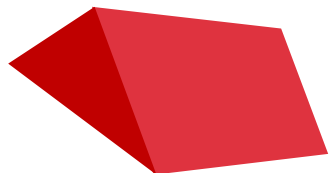
ARM High performance network processor

AP management

- Support 8s AP management
- Plug and play

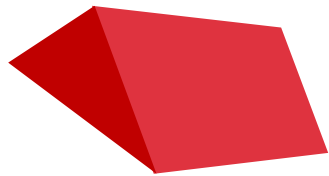
Automatic bandwidth management

- Smart flow control
- Custom Flow Control



Comparison

	IP-COM M30(TBD)	RB2011iL-IN
Maximum number of users	60	60
CPU	ARM 800MHz	MIPS 600 MHz
RAM	512MB	64MB
USB file sharing, printing	Support	Nonsupport
AP management	Support	Support
VPN	Support	Support
AP intelligent management	Support	Only Supporting basic management
Smart QoSII Custom flow control	Support	Manually write configuration scripts
WEB, PPPoE, WeChat Authentication	Support	Nonsupport WeChat



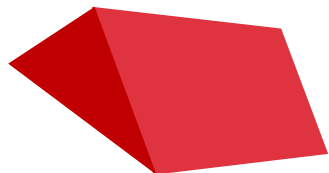
M50 Introduce



M50 is designed for hotels, shopping malls, chain stores, restaurants and entertainment facilities or public places to develop a WIFI marketing cloud.

- Dual core ARM 800MHz processor.
- 256MB RAM , 128MB FLASH memory
- Support less than 100 terminals.
- Support wireless controller.
- 2 wide area WAN ports and 3 local LAN ports.
- Support load balancing , flow control and other functions.
- Supports cloud centralized remote management, unified issuance certification strategy and advertising strategy.





M50 Parameter

Performance Parameter

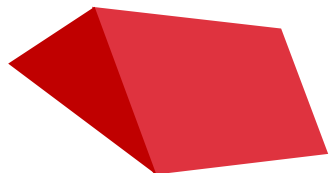
	URL library	Number of concurrent connections	AP management	Maximum Number of Users
M50	78000 URL	55000	16	100

Hardware parameter

	CPU	RAM	FLASH	Ports	Power Supply	Dimensions
M50	Dual- core 800MHz	512MB	128MB	5*1000	Built-in switching power supply	440*285*44 (mm)

Software parameter

	WAN port parameter	Behavior management	Authentication	Flow control	VPN	Virtual Server	USB application	Security setting	Cloud services
M50	4WAN	Based URL, Application feature library, Port based	WEB, PPPoE, WeChat Message.	Smart flow control Custo m flow control	PPTP, L2TP, IPSEC	DMZ, Port mappi ng, DDNS, UPNP	USB File Sharing	IP-MAC binding, Attack Defense	Online upgrade



Highlight

Wireless AC

- Monitoring and managing the AP state

Micro Marketing

- Advertising Push
- Data Analysis
- Facebook, QQ, messages certification.

Cloud management

- Centralized management equipment
- Unified issuance of certification strategy and advertising strategy

4-1 10/100/1000M LAN Ports

- Support Provide a fixed WAN port, a fixed LAN port, 3 WAN/LAN variable ports

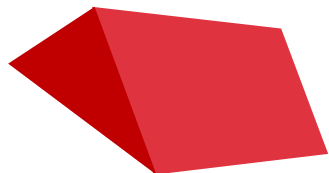
1-4 10/100/1000M WAN Ports

- Support Provide a fixed WAN port, a fixed LAN port, 3 WAN/LAN variable ports



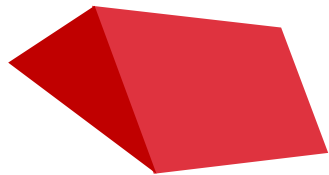
High Performance

- Dual-core 800MHz
- More robust hardware



Comparison

	IP-COM M50	RB2011UiAS-IN
Maximum number of users	100人	80人
CPU	ARM dual core 800MHz	MIPS 600 MHz
RAM	512MB	128MB
USB file sharing, printing	Support	Nonsupport
AP management	Support	Support
VPN	Support	Support
AP intelligent management	Support	Only support basic management
Smart QoSII Custom flow control	Support	Manually write configuration scripts
WEB, PPPoE, WeChat Authentication	Support	Nonsupport WeChat



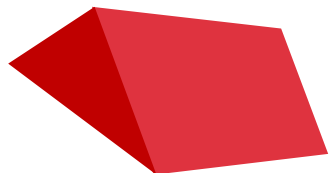
M80 Introduce



- Dual core 1.4GHz, 4Gb DDR3 high speed memory.
- Maximum concurrency number can reach 70000, meet the 300 terminal concurrent networking.
- Support AP intelligent management.
- Automatically issued to ensure the normal operation of the wireless network.
- Support WEB authentication, WEB key authentication, Facebook WIFI authentication and PPPoE Server authentication.

M80 is an AP smart Gigabit router designed by IP-COM for 300 terminals within a medium network. It can meet the application requirements of bandwidth scenarios in enterprises, hotels and communities.





M80 Parameter

Performance Parameter

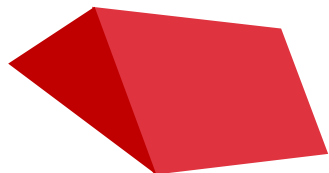
	URL library	Number of concurrent connections	AP management	Maximum Number of Users	URL Audit
M80	78000 URL	60000	32	300	30days 60days 90days

Hardware Parameter

	CPU	RAM	FLASH	Ports	Power Supply	Dimensions
M80	Double core 1.4GHz	512MB	128MB	5*1000	Built-in switching power supply	440*285*44 (mm)

Software Parameter

	WAN port parameter	Behavior management	Authentication	Flow control	VPN	Virtual Server	USB application	Security setting	Cloud services
M80	4WAN	Based URL, Application feature library, Port based	WEB, PPPoE, WeChat, Message.	Smart flow control Custom flow control	PPTP, L2TP, IPSEC	DMZ, Port mapping, DDNS, UPNP	USB File Sharing	IP-MAC binding, Attack Defense	Online upgrade



Highlight

Multi WAN Application

- Line Backup
- Bandwidth superposition

4-1 10/100/1000M LAN Ports

- Support Provide a fixed WAN port, a fixed LAN port, 3 WAN/LAN variable ports

VLAN Divided

- IP/MAC address filtering
- URL Audit
- Custom network speed limit.

1-4 10/100/1000M WAN Ports

- Support Provide a fixed WAN port, a fixed LAN port, 3 WAN/LAN variable ports



Multi authentication methods

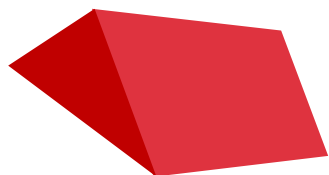
AP management

- Support 8 APs management
- Plug and play

Max users capacity of 300 Terminal

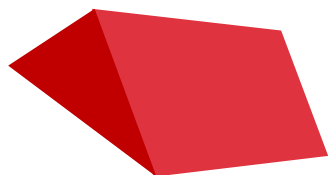
Automatic bandwidth management

- Smart flow control
- Custom Flow Control



Comparison

Project	IP-COM M80	XXX 1100AH (300 users)
LAN-WAN throughput	944Mb	750MB
Concurrency connection number	90000	64000
300 Terminal load test	0%	8%
Packet forwarding performance	17.8%	9.55%
Precision of flow control	97%	93%
Attack stability test	7*24 hours stable	7*24 hours stable
VLAN	support	support
AP Management	support	support
VPN	support	support
AP intelligent management	support	Only support basic management
Smart Flow Control	support	Manually write configuration scripts
New connection number	8500	6300
WEB\WeChat certification	support	support
PPPoE certification	support	support



Products

Model	AC3000-32	AC3000-64	AC3000
Maximum number of authenticated users	2000	5000	50000
New number of connections per second	13500	16000	21000
Concurrency connection number	140000	200000	500000
Packet forwarding rate	90Kpps	560Kpps	2Mpps
Maximum endocytosis	1 G	7G	25G
Maximum bandwidth of routing mode	500PC	1000PC	5000PC
Ports	4*GE	4*GE(Extensible GE/10GE)	4*GE (Extensible GE/10GE)
WAN Ports	Maximum of 3	The default Maximum of 5	The default Maximum of 5



AC3000 Introduce

AC3000



Through "routing management", you can set the AC routing table to different destination networks (up to 512). To achieve the following functions:

- AC can access different networks at the same time, such as the Internet and intranet.
- AC client can access different networks at the same time, such as the Internet and Intranet.

Highlight

Custom flow control

Smart QoSII

Access control

Fat AP management system

Easy to configure

Ports user-defined

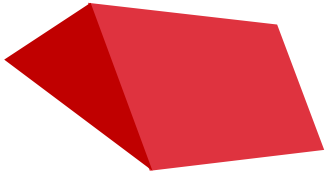
- More convenient
- WAN/LAN Freely Switch

- Support multiple WAN ports
- Support bandwidth overlay
- Support network load balancing

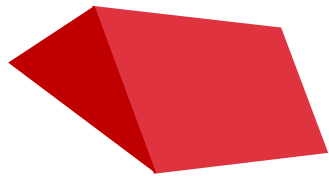


IP-COM

WORLD WIDE WIRELESS

An aerial view of the Shanghai skyline at dusk, featuring the Oriental Pearl Tower and the Shanghai Tower. A network of white lines connects various points across the city, symbolizing a global wireless network.

AP Series



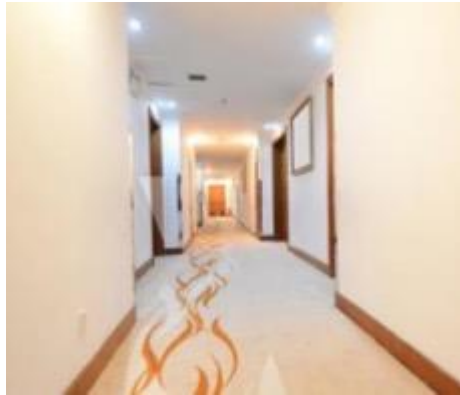
IP-COM Access Point Products

Wall Plate AP



AP255v2.0

AP265



Ceiling AP



AP325

AP340

AP355

AP365

AP375



Outdoor AP



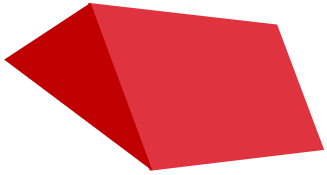
AP515

AP615

AP625

CPE3

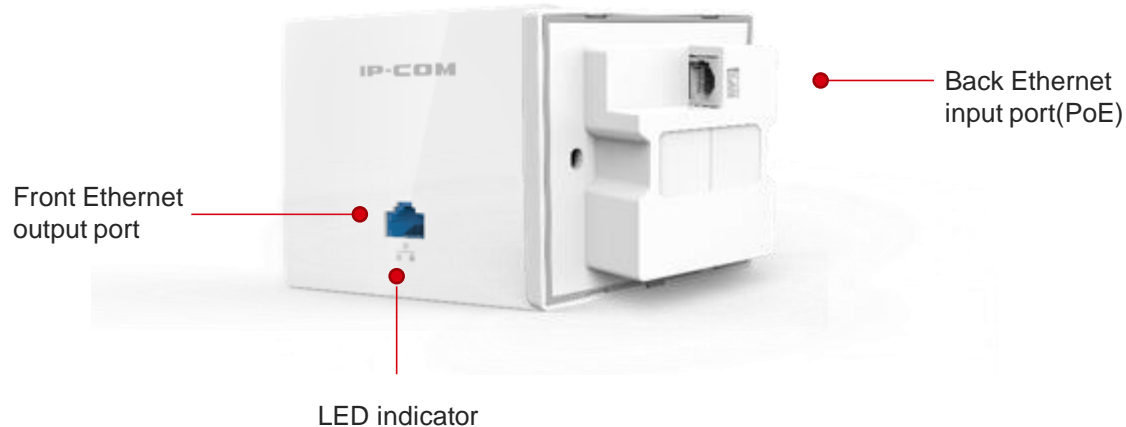




Wall Plate AP

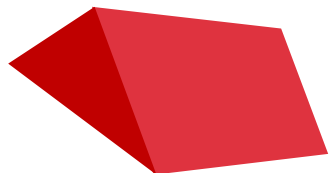


Wall Plate AP AP255v2.0



AP255v2.0

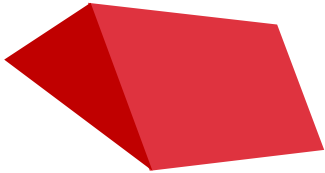
AP255v2.0 is specially designed to provide WIFI for rooms of hotel, villa, large apartment etc. it uses 86 Type wall plate design, it can blend into existing decoration perfectly without any damage. Compliant with PoE 802.3af standard enable it can be deployed quickly. It is easy to setup, manage and monitor by IP-COM AP controller.



Product Specifications

AP255v2.0

Model	AP255v2.0
Deployment	In wall
Dimensions	86*86*35mm (Only 10mm thickness outside the wall)
Interface	1*PoE+Data Input FE LAN 1*PoE+Data Output FE LAN
Compliant Standards	IEEE 802.11 b/g/n
Frequency	2.4G
Maximum Wireless Speed	300Mbps
Antennas	2dbi
Maximum Power Consumption	3.4W
Power Supply	PoE 802.3af
MIMO	2*2
Maximum TX Power	18dbm
User Capacity	15
Multi SSID	2
AP Type	Fit/Fat
Wireless Modes	AP/Client+AP



Product Highlights

AP255v2.0



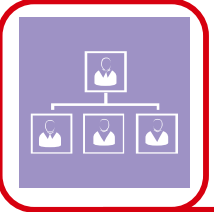
➤ **802.11n up to 300Mbps**

AP255v2.0 uses 802.11n wireless standard, the wireless rate is up to 300 Mbps on the 2.4GHz-frequency band. Most of connect to it can access Internet with high speed.



➤ **86 Type in wall mount junction box design**

AP255v2.0 uses 86 type in wall mount junction box design to blend into the existing decoration. It can be put together to neighbourhood panels harmoniously.



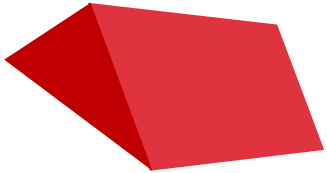
➤ **Compliant with PoE 802.3af**

The port on the back panel support Power over Ethernet (PoE) function, which allows both power and data to be carried over a single Ethernet cable to AP255v2.0.



➤ **Easy to setup, Easy to manage**

AP255v2.0 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.

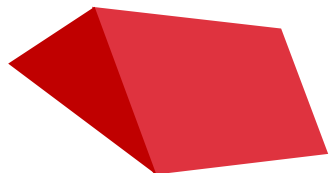


Wall Plate AP AP265



AP265

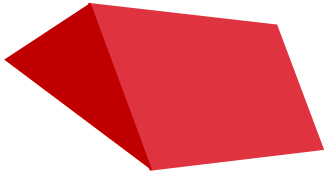
AP265 is specially designed to provide WIFI for rooms of hotel, villa, large apartment etc. it uses 86 Type wall plate design, it can blend into existing decoration perfectly without any damage. Compliant with PoE 802.3af standard enable it can be deployed quickly. It is easy to setup, manage and monitor by IP-COM AP controller.



Product Specifications

AP265

Model	AP265
Deployment	In wall
Dimensions	86*86*35mm (Only 10mm thickness outside the wall)
Interface	1*PoE+Data Input FE LAN 1*PoE+Data Output FE LAN
Compliant Standards	IEEE 802.11 b/g/n/ac
Frequency	2.4GHz and 5GHz
Maximum Wireless Speed	2.4G:300Mbps 5G:867Mbps
Antennas	2.4GHz:2dbi/5GHz:2dbi
Maximum TX Power	2.4GHz:18dbm/5GHz:16dbm
Maximum Power Consumption	3.8W
Power Supply	PoE 802.3af
MIMO	2*2
User Capacity	40
Multi SSID	2.4GHz:8/5GHz:4
AP Type	Fit/Fat
Wireless Modes	AP/Client+AP



Product Highlights AP265



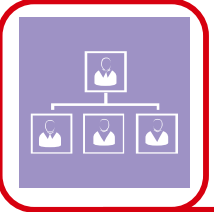
➤ **Dual band 802.11ac up to 1167Mbps**

AP265 delivers 867Mbps at 5GHz band and 300Mbps at 2.4GHz band. The outstanding Wi-Fi performance is ideal for bandwidth sensitive applications.



➤ **86 Type in wall mount junction box design**

AP265 uses 86 type in wall mount junction box design to blend into the existing decoration. It can be put together to neighbourhood panels harmoniously.



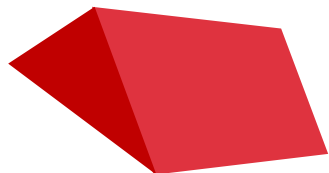
➤ **Compliant with PoE 802.3af**

The port on the back panel support Power over Ethernet (PoE) function, which allows both power and data to be carried over a single Ethernet cable to AP265.





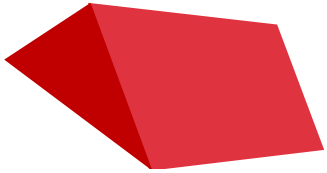
➤ **Easy to setup, Easy to manage**

AP265 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.



Product Contrast

Model	AP255v2.0	AP265	UAP-AC-IW
Deployment			
Dimensions	86*86*35mm (Only 10mm thickness outside the wall)	86*86*35mm (Only 10mm thickness outside the wall)	139.7*86.7*25.75mm (18mm thickness outside the wall)
Colors to choice	White, golden or customization	White, golden or customization	Only one color
Interface	2*PoE+Data LAN	2*PoE+Data LAN	3*PoE+Data LAN
Maximum wireless speed	2.4G:300Mbps	2.4G:300Mbps 5G:867Mbps	2.4G:300Mbps 5G:867Mbps
Power supply	PoE 802.11af	PoE 802.11af	PoE 802.11at



Celling AP

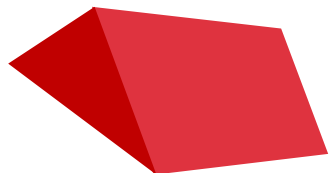


2.4GHz Ceiling AP AP325



IP-COM AP325 is a enterprise-grade, high performance 11n Wi-Fi access point. Through the 802.11n Wi-Fi technology and enhanced transmit power and receive sensitivity, it can increase the scope of coverage, improve access density and operation stability.

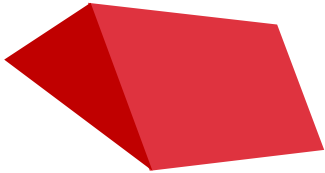
Under the management and control of the IP-COM series AC, it supports advanced functions like Access Control, Load Balancing, Seamless Roaming, Multiple Authentication Modes and so on, it is ideal match for Small and Medium-Sized Enterprise offices, Hotels, restaurants WLAN deployment.



Product Specifications

AP325

Model	AP325
Deployment	Ceiling and Wall Mount
Dimensions	144*144*40mm
Interface	1*10/100Mbps PoE/LAN Port 1*DC Power Jacket
Compliant Standards	IEEE 802.11 b/g/n
User Capacity	20
Frequency	2.4GHz
Maximum wireless speed	300Mbps
MIMO	2*2
Antennas	2dbi
Maximum TX Power	200mw(23dbm)
Power Supply	PoE 802.3af
Wireless Modes	AP/Client+AP/WDS



Product Highlights AP325



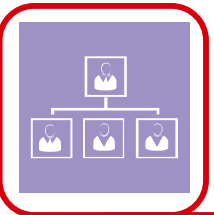
➤ **802.11n up to 300Mbps**

AP325 uses 802.11n wireless standard, the wireless rate is up to 300 Mbps on the 2.4GHz-frequency band. Most of connect to it can access Internet with high speed.



➤ **Automatic RF optimization**

Advanced RF optimization with automatic channel, power level selection, to reduce interference. AP can recognize various channels being used and automatically switch to the best available channel to provide best experience for the users.



➤ **Compliant with PoE 802.3af**

The port on the back panel support Power over Ethernet (PoE) function, which allows both power and data to be carried over a single Ethernet cable to AP325.



➤ **Easy to setup, Easy to manage**

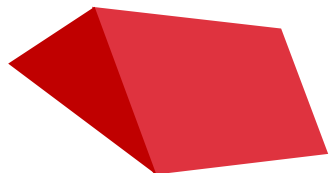
AP325 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.

2.4GHz Wide Coverage Ceiling AP AP340



AP340

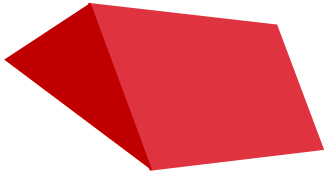
IP-COM AP340 is enterprise-grade, high performance 11n Wi-Fi access point. Through the 802.11n Wi-Fi technology and enhanced transmit power and receive sensitivity, it can increase the scope of coverage, improve access density and operation stability. Under the management and control of the IP-COM series AC, it supports advanced functions like Access Control, Load Balancing, Seamless Roaming, Multiple Authentication Modes and so on, it is ideal match for Small and Medium-Sized Enterprise offices, Hotels, restaurants WLAN deployment.



Product Specifications

AP340

Model	AP340
Deployment	Ceiling and Wall Mount
Dimensions	200*200*30mm
Interface	1*10/100Mbps PoE/LAN Port 1*DC Power Jacket
Compliant Standards	IEEE 802.11 b/g/n
User Capacity	25
Frequency	2.4GHz
Maximum wireless speed	300Mbps
MIMO	2*2
Antennas	3dbi
Maximum TX Power	400mw(26dbm)
Power Supply	PoE 802.3at
Wireless Modes	AP/Client+AP/WDS



Product Highlights

AP340



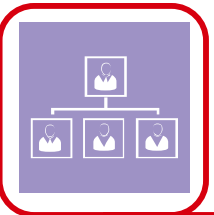
➤ **802.11n up to 300Mbps**

AP340 uses 802.11n wireless standard, the wireless rate is up to 300 Mbps on the 2.4GHz-frequency band. Most of connect to it can access Internet with high speed.



➤ **Automatic RF optimization**

Advanced RF optimization with automatic channel, power level selection, to reduce interference. AP can recognize various channels being used and automatically switch to the best available channel to provide best experience for the users.



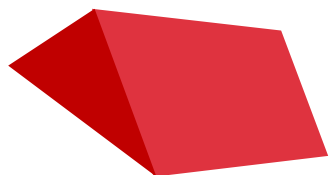
➤ **Compliant with PoE 802.3at**

The port on the back panel support Power over Ethernet (PoE) function, which allows both power and data to be carried over a single Ethernet cable to AP340.







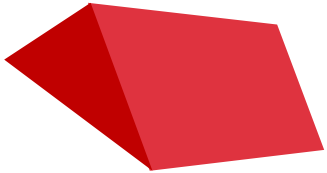
➤ **Easy to setup, Easy to manage**

AP340 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.



Product contrast

Model	AP325	AP340	UAP	UAP-LR
Pictures				
Dimensions	144*144*40mm	200*200*30mm	114.6*70.6*28.5mm	200*200*36.5mm
Networking Interface	1*10/100Mbps PoE/LAN Port	1*10/100Mbps PoE/LAN Port	(1) 10/100 Ethernet Port	(1) 10/100 Ethernet Port
Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Maximum wireless speed	300Mbps	300Mbps	300Mbps	300Mbps
Maximum TX Power	20dbm	26dbm	20dbm	27dbm
Power adjustable	√	√	×	×
Power Supply	PoE 802.3af	PoE 802.3at	Passive Power over Ethernet (12-24V)	

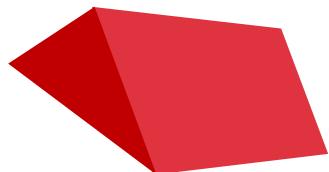


Dual-band Ceiling AP AP355



IP-COM AP355 is enterprise-grade, high performance Gigabit Wi-Fi access points, prepared for ultra-high density environments. Through the 802.11ac Wi-Fi technology and enhanced transmit power and receive sensitivity, it can increase the scope of coverage, improve access density and operation stability.

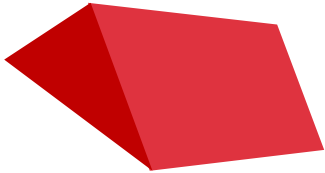
Under the management and control of the IP-COM series AC, it supports advanced functions like Access Control, Load Balancing, Seamless Roaming, Multiple Authentication Modes and so on, are ideal match for Medium-Sized Enterprise offices, conference halls, multimedia classrooms WLAN Deployment.



Product Specifications

AP355

Model	AP355
Deployment	Ceiling and Wall Mount
Dimensions	180mm*180mm*40mm
Interface	1*10/100/1000Mbps PoE/LAN Port 1*DC Power Jacket
Compliant Standards	IEEE 802.11 b/g/n/ac
User Capacity	50
Frequency	2.4GHz and 5GHz
Maximum wireless speed	2.4G:300Mbps 5G:867Mbps
MIMO	2*(2*2)
Antennas	4dbi
Maximum TX Power	2.4GHz :23dBm 5GHz: 20dBm
Power Supply	PoE 802.3at
Wireless Modes	AP/Client+AP/WDS



Product Highlights AP355



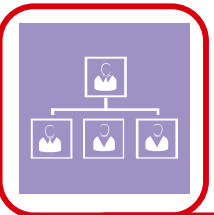
➤ **High performance**

Dual-band design deliver high-capacity and high-performance to new 802.11ac and legacy 802.11a/b/g/n clients. The 802.11ac Gigabit Wi-Fi along with Gigabit Ethernet enabling Seamless data forwarding without any bottleneck.



➤ **Automatic RF optimization**

Advanced RF optimization with automatic channel, power level selection, to reduce interference. AP can recognize various channels being used and automatically switch to the best available channel to provide best experience for the users.



➤ **Compliant with PoE 802.3at**

The port on the back panel support Power over Ethernet (PoE) function, which allows both power and data to be carried over a single Ethernet cable to AP355.



➤ **Easy to setup, Easy to manage**

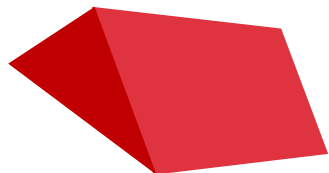
AP355 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.

Dual-band Ceiling AP AP365



IP-COM AP365 is enterprise-grade, high performance Gigabit Wi-Fi access points, prepared for ultra-high density environments. Through the 802.11ac Wi-Fi technology and enhanced transmit power and receive sensitivity, it can increase the scope of coverage, improve access density and operation stability.

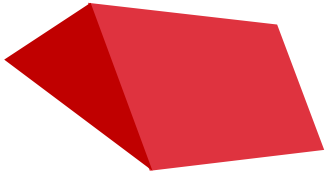
Under the management and control of the IP-COM series AC, it supports advanced functions like Access Control, Load Balancing, Seamless Roaming, Multiple Authentication Modes and so on, are ideal match for Medium-Sized Enterprise offices, conference halls, multimedia classrooms WLAN Deployment.



Product Specifications

AP365

Model	AP365
Deployment	Ceiling and Wall Mount
Dimensions	234*234*58.4mm
Interface	1*10/100/1000Mbps PoE/LAN Port 1*DC Power Jacket
Compliant Standards	IEEE 802.11 b/g/n/ac
User Capacity	70
Frequency	2.4GHz and 5GHz
Maximum wireless speed	2.4G:450Mbps 5G:900Mbps
MIMO	2*(3*3)
Antennas	4dbi
Maximum TX Power	2.4GHz :23dBm 5GHz: 20dBm
Power Supply	PoE 802.3at
Wireless Modes	AP/Client+AP/WDS



Product Highlights AP365



➤ **High performance**

Dual-band design deliver high-capacity and high-performance to new 802.11ac and legacy 802.11a/b/g/n clients. The 802.11ac Gigabit Wi-Fi along with Gigabit Ethernet enabling Seamless data forwarding without any bottleneck.



➤ **Automatic RF optimization**

Advanced RF optimization with automatic channel, power level selection, to reduce interference. AP can recognize various channels being used and automatically switch to the best available channel to provide best experience for the users.



➤ **Compliant with PoE 802.3at**

The port on the back panel support Power over Ethernet (PoE) function, which allows both power and data to be carried over a single Ethernet cable to AP365.



➤ **Easy to setup, Easy to manage**

AP365 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.

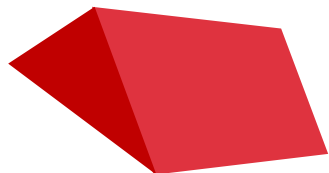
Dual-band Ceiling AP AP375



AP375

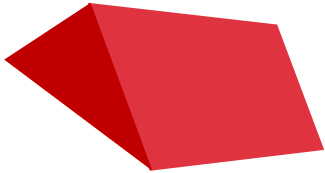
IP-COM AP375 is enterprise-grade, high performance Gigabit Wi-Fi access points, prepared for ultra-high density environments. Through the 802.11ac Wi-Fi technology and enhanced transmit power and receive sensitivity, it can increase the scope of coverage, improve access density and operation stability.

Under the management and control of the IP-COM series AC, it supports advanced functions like Access Control, Load Balancing, Seamless Roaming, Multiple Authentication Modes and so on, are ideal match for Medium-Sized Enterprise offices, conference halls, multimedia classrooms WLAN Deployment.



Product Specifications AP375

Model	AP375
Deployment	Ceiling and Wall Mount
Dimensions	234*234*51mm
Interface	1*10/100/1000Mbps PoE/LAN Port 1*DC Power Jacket
Compliant Standards	IEEE 802.11 b/g/n/ac
User Capacity	100
Frequency	2.4GHz and 5GHz
Maximum wireless speed	2.4GHz:300Mbps 5GHz:900Mbps 2.4GHz/5GHz: 900Mbps
MIMO	3*(2*2)
Antennas	4dbi
Maximum TX Power	2.4GHz :23dBm 5GHz: 20dBm
Power Supply	PoE 802.3at
Wireless Modes	AP/Client+AP/WDS



Product Highlights AP375



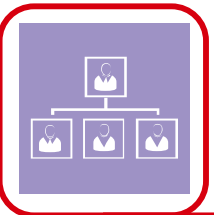
➤ **High performance**

Dual-band design deliver high-capacity and high-performance to new 802.11ac and legacy 802.11a/b/g/n clients. The 802.11ac Gigabit Wi-Fi along with Gigabit Ethernet enabling Seamless data forwarding without any bottleneck.



➤ **Automatic RF optimization**

Advanced RF optimization with automatic channel, power level selection, to reduce interference. AP can recognize various channels being used and automatically switch to the best available channel to provide best experience for the users.



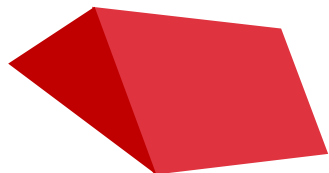
➤ **Compliant with PoE 802.3at**

The port on the back panel support Power over Ethernet (PoE) function, which allows both power and data to be carried over a single Ethernet cable to AP375.









➤ **Easy to setup, Easy to manage**

AP375 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.



Product contrast

Model	AP355	AP365	AP375	UAP-AC-LITE	UAP-AC-PRO	UAP-AC-HD
Pictures						
Dimensions	80*180*40mm	234*234*58.4mm	234*234*51mm	∅160*31.45 mm	∅196.7*35 mm	∅220*48.1 mm
Networking Interface	1*10/1000Mbps PoE/LAN Port	1*10/100Mbps PoE/LAN Port	1*10/1000Mbps PoE/LAN Port	(1) 10/100/1000 Ethernet	(2) 10/100/1000 Ethernet	(2) 10/100/1000 Ethernet
Frequency	2.4GHz/5GHz	2.4GHz/5GHz	2.4GHz/5GHz	2.4GHz/5GHz	2.4GHz/5GHz	2.4GHz/5GHz
Maximum wireless speed	1167Mbps	1750Mbps	2100Mbps	1167Mbps	1750Mbps	2533Mbps
Maximum TX Power	2.4GHz :23dBm 5GHz: 20dBm	2.4GHz :23dBm 5GHz: 20dBm	2.4GHz :23dBm 5GHz: 20dBm	2.4GHz:20dbm 5GHz:20dbm	2.4GHz:20dbm 5GHz:20dbm	2.4GHz:20dbm 5GHz:20dbm
Antennas	2*2*4dbi	3*3*4dbi	2*2*4dbi	2*2*3dbi	3*3*3dbi	3*3*3dbi
Power Supply	PoE 802.3at	PoE 802.3at	PoE 802.3at	802.3af PoE 24V Passive PoE	802.3af PoE 802.3at PoE+	802.3at PoE 24V Passive PoE
Wave 2	✓	✓	✓	×	×	×
Beamforming+	✓	✓	✓	×	×	×
Power adjustable	✓	✓	✓	×	×	×



Outdoor coverage AP

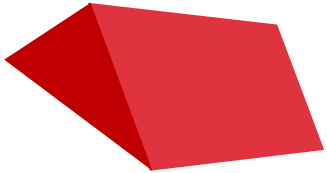


Outdoor coverage AP AP515



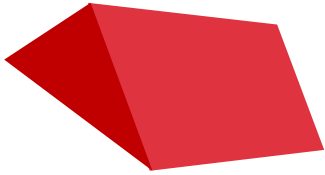
AP515

IP-COM AP515 2.4G outdoor access point is designed to provide WiFi coverage for hotel pool, garden, campus, park etc. To adopt external power amplifier and 7dBi directional antenna to provide optimal signal and great coverage. Equipped with the weather-resistant enclosure, it could work in various weather conditions, such as sunshine, rainfall, wind, snow or extremely low/high temperature environment.



Product Specifications AP515

Model	AP515
Deployment	Pole Mount
Dimensions	270*94.86*67.5mm
Interface	1*10/100/1000Mbps PoE/LAN Port 1*DC Power Jacket
Compliant Standards	IEEE 802.11 b/g/n/ac
User Capacity	25
Frequency	2.4GHz
Maximum wireless speed	300Mbps
MIMO	2*2
Antennas	3dbi
Maximum TX Power	400mW
Power Supply	PoE 802.3at
Coverage Area	5000 sqm



Product Highlights AP515



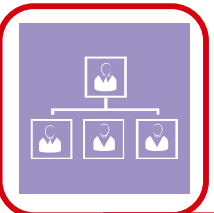
➤ **Design For Outdoor WiFi Coverage**

To adopt 7dbi directional antenna and external power amplifier to provide optimal signal and WiFi coverage for specified area.



➤ **Professional Outdoor Design**

Equipped with IP64 enclosed, AP515 can work in various weather conditions, such as sunshine, rainfall, wind, snow or extremely low/high temperature environment.



➤ **Compliant with PoE 802.3at**

The port on the back panel supports Power over Ethernet (PoE) function, which allows both power and data to be carried over a single Ethernet cable to AP375.



➤ **Easy to setup, Easy to manage**

AP375 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.



Outdoor Long Range CPE

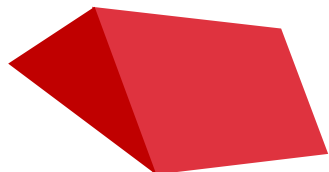


Outdoor Long Range CPE AP615



AP615

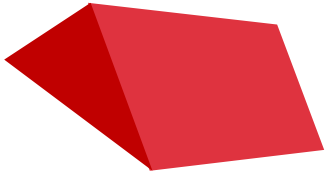
AP615 2.4G outdoor long range access point is designed to WISP CPE solutions and long distance wireless network solutions for video surveillance and data transmission. It features with an external power amplifier and has a built-in 12dBi directional dual-polarized antenna which provides an efficient way to pick up and maintains a stable signal for a wireless network connection ranging multiple kilometer.



Product Specifications

AP615

Model	AP615
Deployment	Pole Mount
Dimensions	270mm*94.86mm*67.5mm
Interface	1*10/100Mbps PoE/LAN Port 1*DC Power Jacket
Compliant Standards	IEEE 802.11 b/g/n
Transmission distance	5km
Frequency	2.4GHz
Maximum wireless speed	150Mbps
Point to multi points	4
Antennas Angle	H 60 V 3
Maximum TX Power	29dBm
Power Supply	12V/1A Passive PoE
Lightning Protection	6000V



Product Highlights AP615



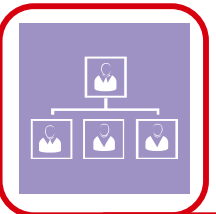
➤ **5km+ data transmission**

AP615 is designed for outdoor long distance wireless data transmission. To adopt external power amplifier and 12dbi directional antenna to achieve 5km+ transmission range.



➤ **Professional Outdoor Design**

Equipped with IP64 enclosed, AP615 can work in various weather conditions, such as sunshine, rainfall, wind, snow or extremely low/high temperature environment.



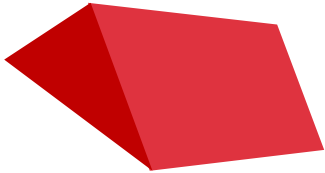
➤ **Multiple Application Scenarios**

AP, Station, WISP, P2MP etc operating modes supported, AP615 can work in multiple scenarios such as long range video surveillance monitor and data transmission.






➤ **Easy to setup, Easy to manage**

AP615 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.



Product contrast

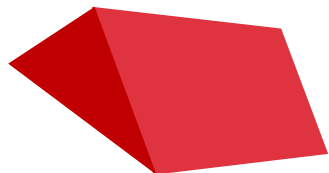
Model	AP615	TP 210	UBNT M2
Pictures			
antenna	12dbi	9dbi	10dbi
Maximum TX power	800mw(29dbm)	500mw(27dbm)	500mw(27dbm)
interface	2*FE LAN	2*FE LAN	2*FE LAN
Lighting protection	yes	yes	no
Power supply	12v1A	24v1A	24V0.5A
Throughput	22.1Mbps	11.7Mbps	20.6Mbps

Outdoor Long Range CPE AP625



AP625

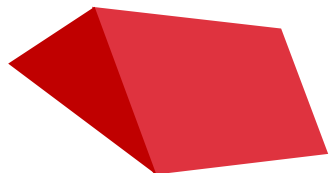
AP625 5GHz 433Mbps outdoor Point to Point CPE is designed to WISP CPE solutions and long distance wireless network solutions for video surveillance and data transmission. It features with an external power amplifier and a built-in 16dBi directional antenna to provide an efficient way to pick up and maintains a stable signal for a wireless network connection range up to 10 kilometers.



Product Specifications

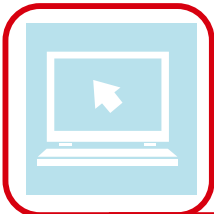
AP625

Model	AP625
Deployment	Pole Mount
Dimensions	270*94.86*67.5mm
Interface	1*10/100/1000Mbps PoE/LAN Port 1*DC Power Jacket
Compliant Standards	IEEE 802.11 ac
Transmission distance	10km
Frequency	5GHz
Maximum Wireless Speed	433Mbps
Point to multi points	4
Antennas Angle	H 30 V 15
Maximum TX Power	26dBm
Power Supply	24V/0.5A Passive PoE
Lightning Protection	6000V



Product Highlights

AP625



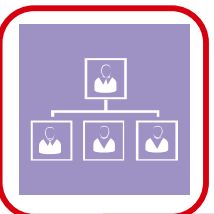
➤ 10km+ Wireless Data Transmission

AP625 is specially designed for outdoor long range point to point application scenarios. To adopt external power amplifier and 16dBi antenna to achieve 10km+ wireless data transmission range



➤ Professional Outdoor Design

Equipped with IP64 enclosed, AP615 can work in various weather conditions, such as sunshine, rainfall, wind, snow or extremely low/high temperature environment.



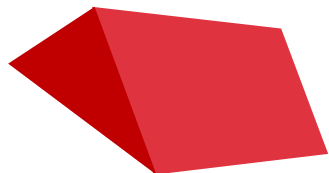
➤ Multiple Application Scenarios

AP, Station, WISP, P2MP etc operating modes supported, AP615 can work in multiple scenarios such as long range video surveillance monitor and data transmission.






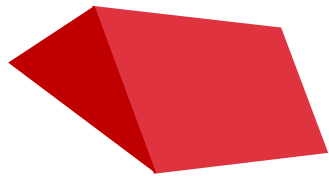
➤ Easy to setup, Easy to manage

AP615 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.



Product contrast

Model	IP-COM AP625	TP 510	UBNT M5
Pictures			
Maximum Wireless Speed	433Mbps	300Mbps	300Mbps
Cable Interface Rate	1*10/100/1000Mbps LAN	2*10/100Mbps LAN	2*10/100Mbps LAN
Antenna	16dbi	13dbi	16dbi
Maximum TX Power	400mw(26dbm)	500mw(27dbm)	500mw(27dbm)
Lighting Protection	YES	YES	NO

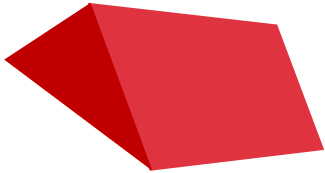


Short Range CPE CPE3



CPE3

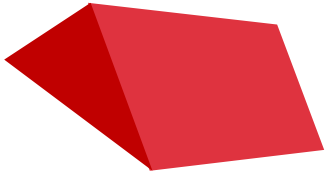
CPE3 is a 2.4GHz frequency point to point CPE whose wireless transmission speed is up to 150Mbps. It is especially designed for elevator monitoring and outdoor short distance transmission by IP-COM. IP-COM found the problem of hard and high expense to deploy the cable. We use wireless signal transmission instead traditional cable transmission. So it can cut down the cable maintain cost after deployment. Besides it can be installed and adjusted in a few minutes and almost not influence the operation of elevator or other devices.



Product Specifications

CPE3

Model	CPE3
Deployment	Pole Mount
Interface	1*10/100Mbps PoE/LAN
Compliant Standards	IEEE 802.11 b/g/n
Frequency	2.4GHz
Maximum Wireless Speed	150Mbps
Transmission Distance	500 meters
Antennas	8dbi
Maximum TX Power	100mW(20dBm)
Power Supply	DC or Passive PoE
Wireless Modes	AP/Client/WISP
Ingress Protection	64



Product Highlights

CPE3



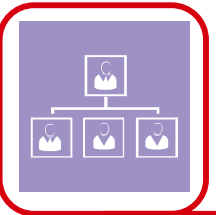
➤ **Specially designed for short distance video transmission**

CPE3 uses a high gain antenna and professional optimizing algorithm to ensure the video signal transmit stably.



➤ **Professional Outdoor Design**

Equipped with IP64 enclosed, CPE3 can work in various weather conditions, such as sunshine, rainfall, wind, snow or extremely low/high temperature environment.



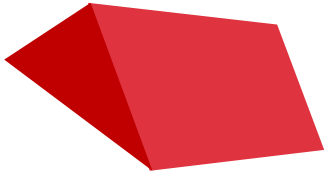
➤ **Multiple Application Scenarios**

AP,WISP,P2P etc operating modes supported,CPE3 can work in multiple scenarios such as long range video surveillance monitor and data transmission.

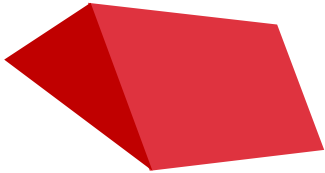


➤ **Easy to setup, Easy to manage**

CPE3 can be managed by AP Controller, the administrator can setup, manage and monitor all the APs easily on the web.

An aerial view of a city skyline at dusk, with a network of white lines and glowing nodes overlaid on the image, suggesting a wireless network or data flow. The text 'AP Controller' is centered over this image.

AP Controller

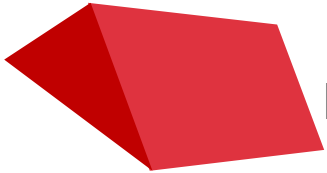


Product-AC (AP Controller)

Why do IP-COM research AC series?

Differences between hardware AC and software AC

	Strength	Weakness
Software AC	Easy management and maintenance: you just need a PC , convenient for installation and maintenance	Unstable management, bad wireless browsing experience (can't roaming, don't have load balance function and heavy interference)
Hardware AC	High performance: can manage a quantity of APs and users Nice browsing experience Easy management and maintenance: Graphical management and maintenance Upgrade and license are free forever	No obvious weakness



Product-AC (AP Controller) Series



AC1000



AC2000



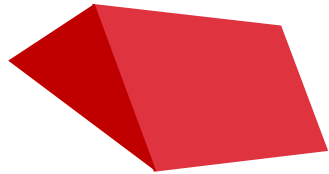
AC3000-32



AC3000-64



AC3000



Product-AC1000



AP controller designed for micro & small size wireless solution . The maximum manage number is 128 fat APs

scenarios



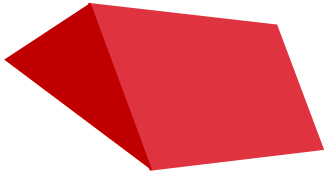
Chain hotels



Youth apartment

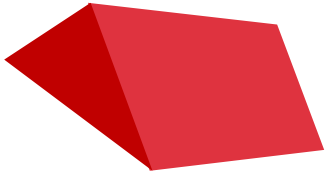


Enterprises



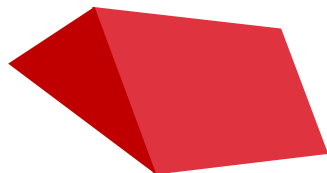
Product-AC1000 parameters

Model	AC1000
Dimensions	210*130*30mm
Ports	5*10/100/1000Mbps LAN
Maximum Number of Managed AP	128
VLAN Group	24
Memory	128MB
Flash	16MB
Power	12V 0.75A
AP Auto Discover and Configuration	Support
AP condition monitoring	Support
AP offline alarming	Support
Automatic Channel adaption	Support
L2 Roaming	Support



Product-AC1000 highlights

- 1 Maximum AP managed number up to 128
- 2 Automatically find and configure APs
- 3 WLAN RSA ensure APs work on best channel
- 4 Unified manage all indoor and outdoor APs
- 5 L2 roaming
- 6 AP and clients online status statistics
- 7 Email and software alarm when AP is offline



Product-AC1000 management pages

- Discover AP
- Manage Policy
- Manage AP
- Trouble alarm
- User Status
- User Statistics
- System Tools

AP Group Modify AP Modify

SSID Setting

RF Setting

VLAN Settings

Maintain Setting

Clear Settings

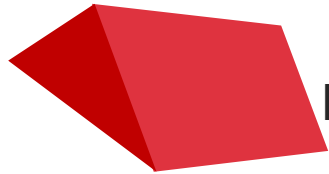
Delete

Model, Remark, MAC

Total Device: 0 Refresh

Per Page 10

<input type="checkbox"/>	Model	Remark	MAC	SSID	Radio Policy	VLAN Policy	Maintain Policy	Alert Policy	Admin Policy	Deployment Policy	Status
No data!											



Product-AC2000

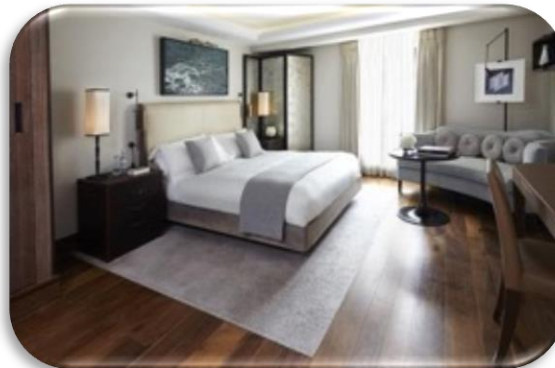


AP controller designed for micro & small size wireless solution . The maximum manage number is 512 fat APs

scenarios



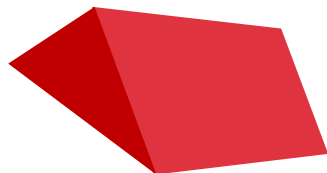
Business hotels



Star hotels

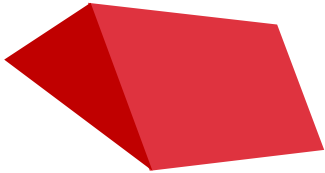


Enterprises



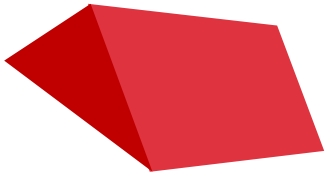
Product-AC2000 parameters

Model	AC2000
Dimensions	294*197.8*44mm
Ports	5*10/100/1000Mbps LAN
Maximum Number of Managed AP	512
Maximum Number of Authentication Users	3000
Authentication	Captive Portal, 802.1X, Voucher
Maximum Number of Remote AC	64
Maximum Number of Managed Remote AP	128
VLAN Group	48
AP Auto Discover and Configuration	Support
AP condition monitoring	Support
AP offline alarming	Support
Automatic Channel adaption	Support
L2 Roaming	Support



Product-AC2000 highlights

- 1 Maximum AP managed number up to 512
- 2 Automatically find and configure APs
- 3 WLAN RSA ensure APs work on best channel
- 4 Remote manage multi branch AP and AP controller
- 5 L2 roaming
- 6 AP and clients online status statistics
- 7 Built-in captive portal server and customized welcome page



Product-AC2000 management pages

IP-COM

World Wide Wireless

Logout

Licensed -- IP-COM

Discover AP

Manage Policy

Manage AP

Captive Portal

User Status

User Statistics

System Tools

Create Ads

Ads Push

Global Settings

Create Account

Voucher

Ads Push:

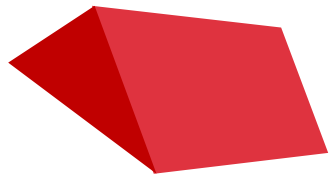
ON

+ Add

Delete

Total Ads: [Refresh](#)

<input type="checkbox"/>	Ad Name ▼	Template	Status
Loading...			

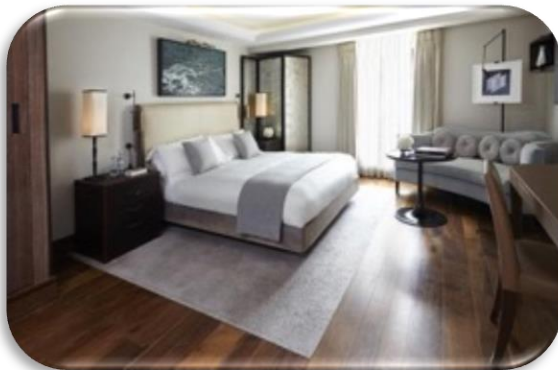


Product-AC3000 series



The AC3000 series multi service controller is a high performance network management device designed by IP-COM for large network. It not only supports the function of traditional wireless controller, but also supports powerful routing function. It can be used as an outlet router and provide a solution of integrated wired and wireless network.

scenarios



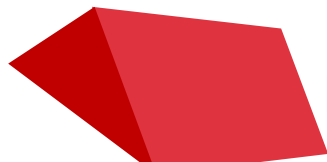
Luxury hotels



Shopping mall

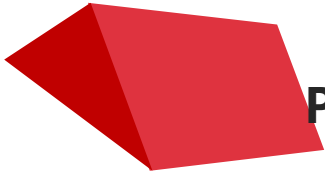


Large enterprises



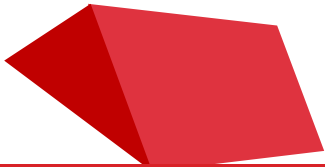
Product-AC3000 series parameters

Model	AC3000-32	AC3000-64	AC3000
Dimensions	430*300*44(mm)	430*380*44(mm)	430*380*45(mm)
Maximum Number of Managed AP	512	1024	3000
Maximum Number of Authentication Users	2000	5000	50000
Maximum Number of concurrent connection	140000	200000	500000
Ports	4*10/100/1000Mbps WAN/LAN, 2USB,1VGA,1*CONSOLE	4*10/100/1000Mbps WAN/LAN, 2USB,1VGA,1*CONSOLE	4*10/100/1000Mbps WAN/LAN, 4USB,1VGA,1*CONSOLE
Packet Forwarding Rate	90Kpps	560Kpps	2Mpps
RAM Memory	4GB	4GB	16GB
Hard Driver	500G HDD		
Multiple WAN	Support		
Visual Management Interface	Support		
AP and Floor Map	Support		
Channel Analysis	Support		
Authentication Page	Customized Authentication Page		
Automatic Channel adaption	Support		
Fast Roaming	Support		
Intelligent Load Balance	Support : Based on Traffic , User & Frequency		
Authentication	Captive Portal,802.1X,Facebook		
Security	MAC Static Black and White List		
Alarm	Mail SNMP Trap		

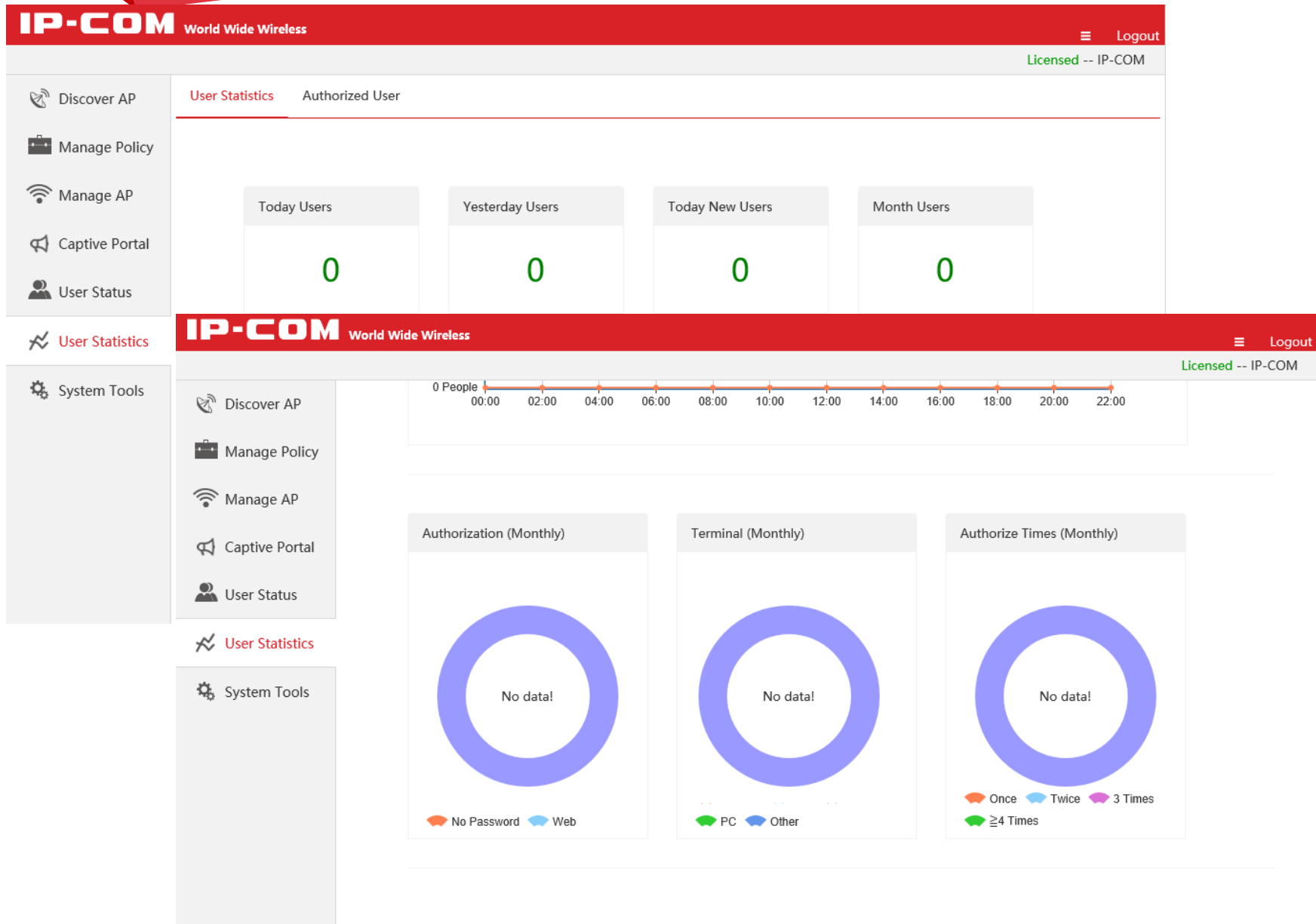


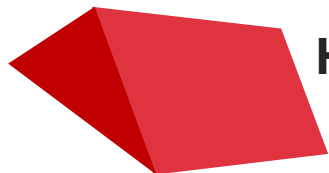
Product-AC3000 series highlights

- 1 Concentrate forwarding
- 2 Airtime Fairness provide equal access to all wireless clients
- 3 WLAN RSA ensure APs work on best channel
- 4 Centralized Manage AP from multi location or branch
- 5 Intra-AC, Inter-AP L2 /L3 roaming time less than 50ms
- 6 Load balance based on the AP cluster
- 7 Portal, Facebook account authentication supported



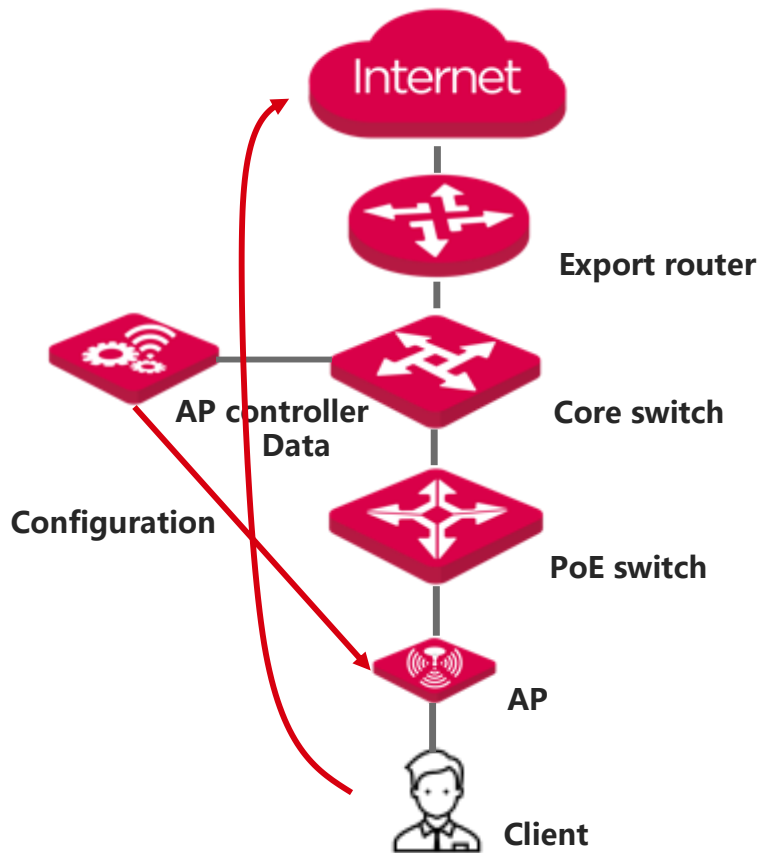
Product-AC3000 series management pages





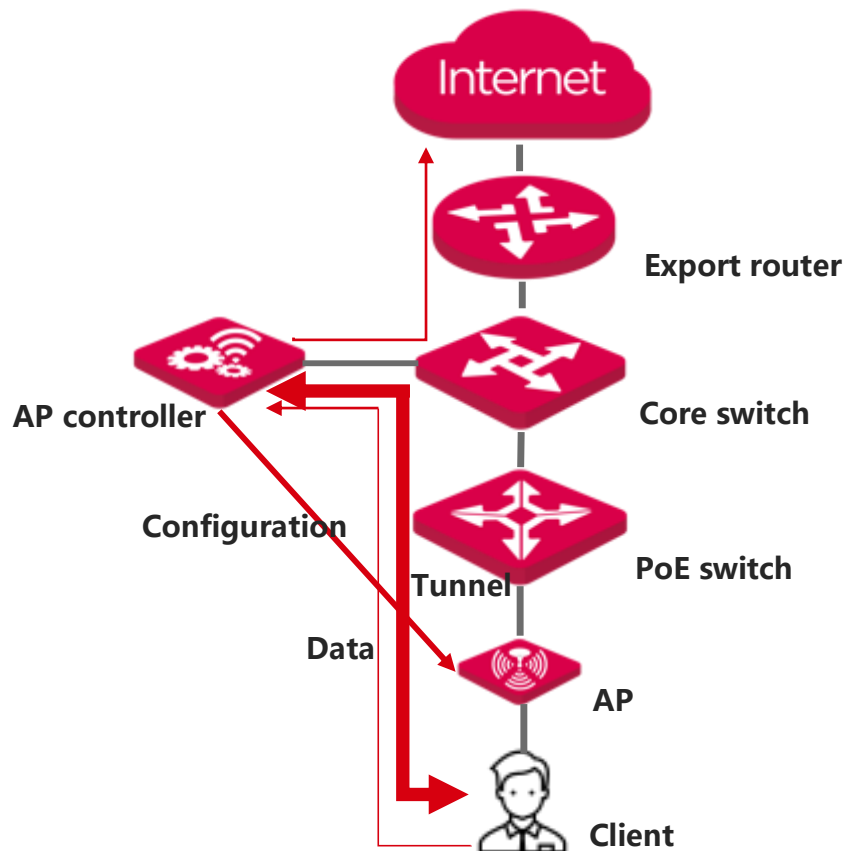
Highlights of AC3000

Concentrate forwarding VS local forwarding



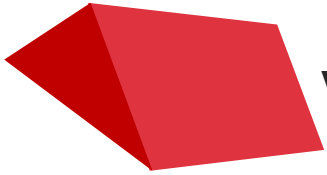
Local forwarding

- ✓ AC just configure AP
- ✓ AP forward client's data



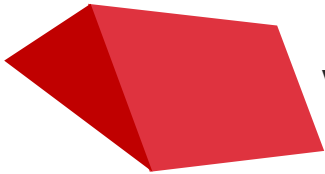
Concentrate forwarding

- ✓ Tunnel connect AP and AC
- ✓ Client's data encrypted by AP, and be concentrate forwarded by AC

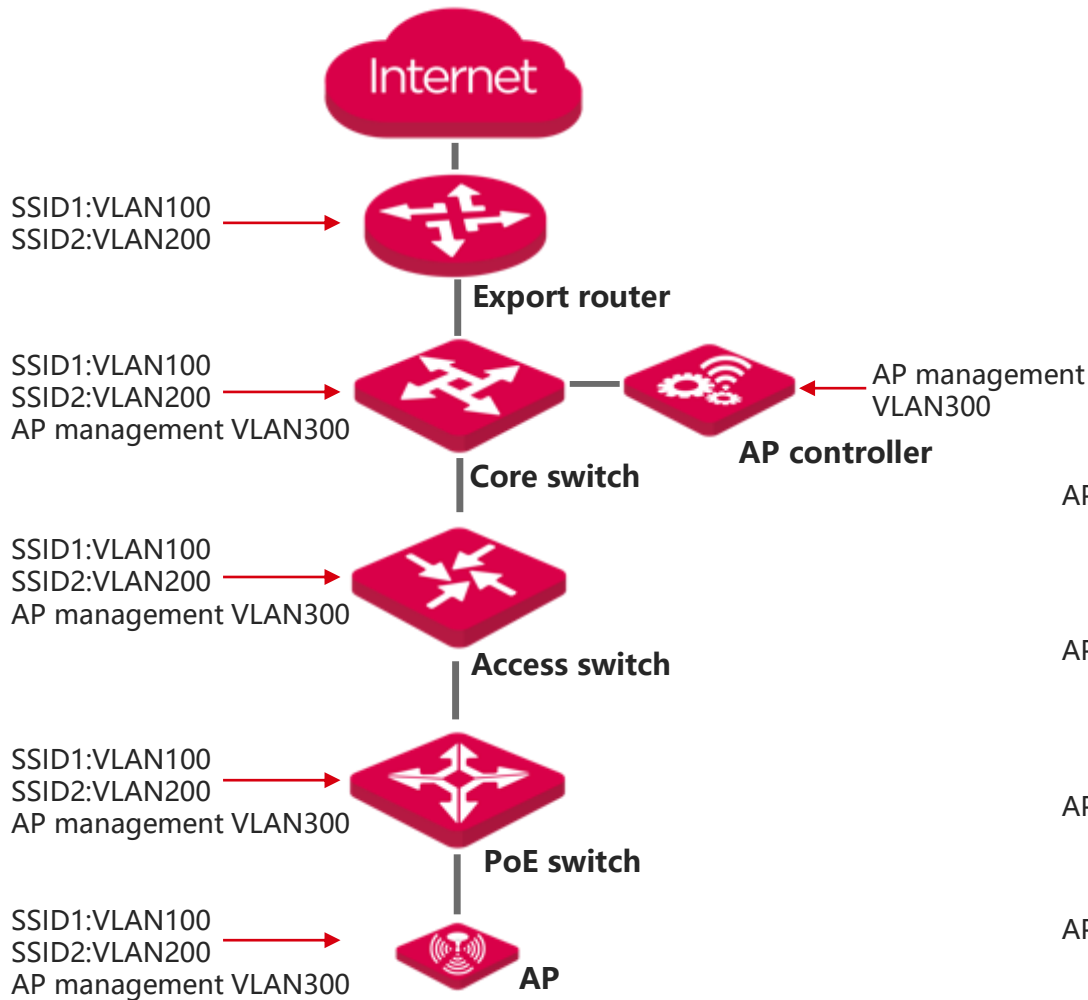


Values of concentrate forwarding

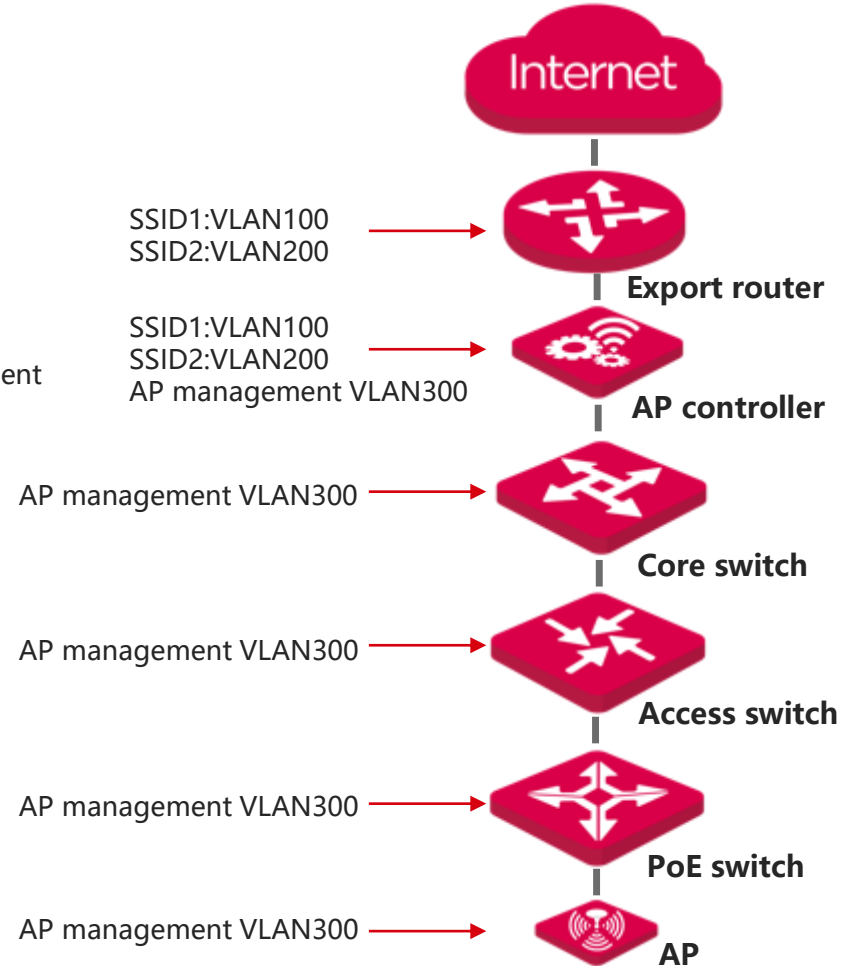
- 1 Simplify deployment and implement , plug and play
- 2 The data is analyzed centrally to make the data visible and controllable
- 3 Data is encrypted and network become more secure
- 4 Roaming across VLAN
- 5 Realizing data remote access management without VPN



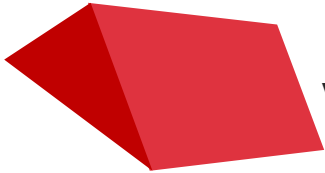
Values of concentrate forwarding



Local forwarding



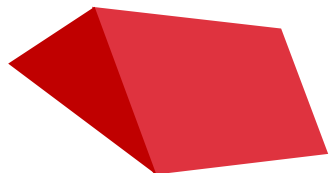
Concentrate forwarding



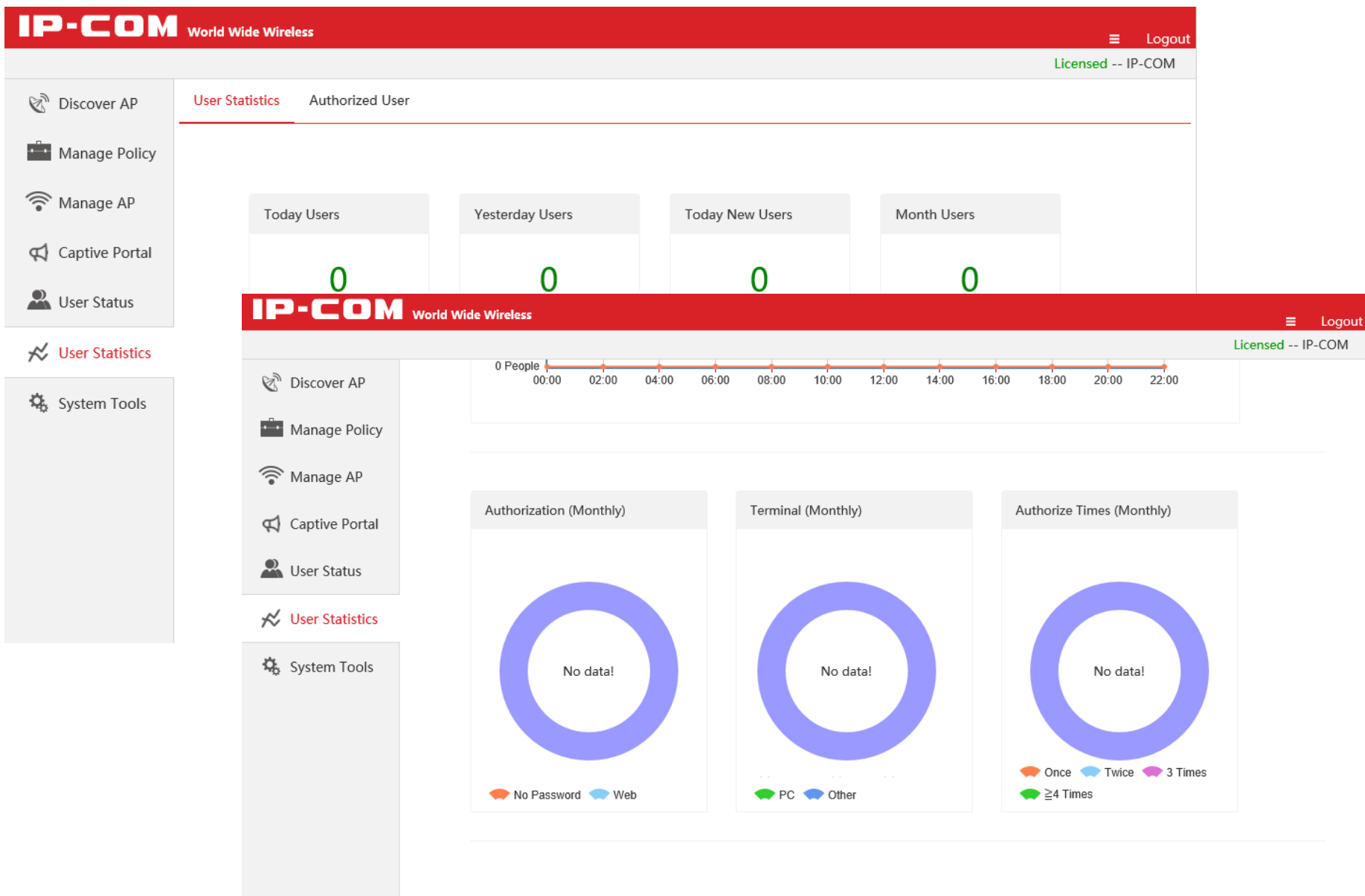
Values of concentrate forwarding

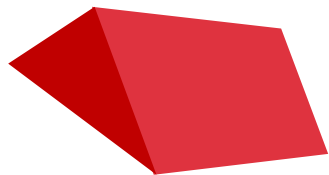
Simplify deployment and implement , plug and play

Exceptional case	Local forwarding	Concentrate forwarding
Replace AP	Each AP needs to be reconfigured new manage VLAN	Just replace it
Add SSID	All switches need to increase the corresponding VLAN configuration	Only modify the configuration of AC and routers
Replace switch	The VLAN configuration of switch is multiple, each cascade has more than one VLAN	only need to modify one VLAN
Extend network	Need to check multiple VLAN configurations for each switch port	The switch only needs to be configured the AP management VLAN, and AP does not need to be configured

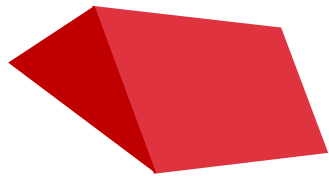


Product-AC3000 series-management interface

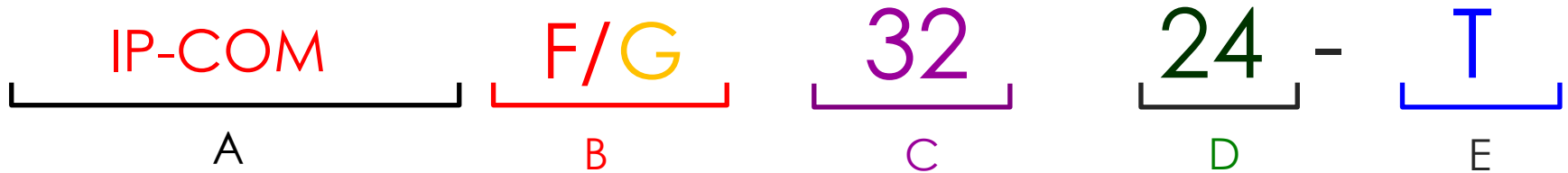




Non-PoE Switch



Naming Rules



•A (Brand)

•B (Speed)

•F – Fast Ethernet

•G – Gigabit Ethernet

•C (Subseries)

•33/32/31 – Managed

•21 – Fiber aggregation

•12 – Web Smart

•11 –VLAN function

•10 – Unmanged

D (Ports)

=08 – 8 Ports

=10 – 8 Ports+2SFP

=16 – 16 Ports

=18 – 16 Ports+2SFP

=24 – 24 Ports

=26 – 24 Ports+2SFP

E (Interface Type)

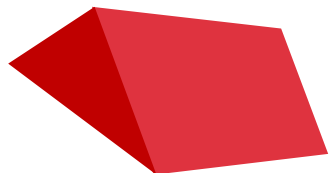
G – With Gigabit Port

F – with SFP Ports

T – 2 Combo SFP Slots

P – With PoE Ports

P-EI – Enhanced PoE



Non-PoE Switch Series

100M interface

Unmanaged Switch

F1005



F1016



F1024



F1026F



Managed switch

G3224T



Unmanaged switch

G1005



G1008



G1016D



G1024D



G1016G



G1024G



G1024F



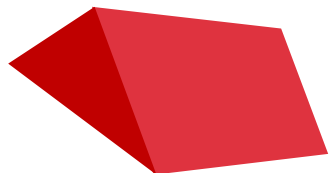
IP-COM

WORLD WIDE WIRELESS



Unmanaged Switches(FE)





F1005



Rich port configuration

- 5*10/100Mbps adaptive RJ45 port,
- All ports support wire-speed forwarding ability



Easy to deploy

- Plug and play
- Dynamic LED lights without any settings
- Support desktop and wall mounting

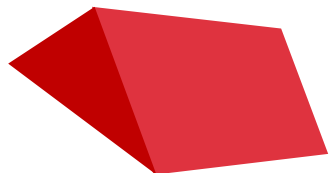


Mute&Energy saving

- Using the world's leading Broadcom chip solution, low power consumption, natural cooling;
- Fanless design, energy saving, mute interface automatically transferred to energy saving status

IP-COM

WORLD WIDE WIRELESS



F1016



Rich port configuration

- 16*10/100Mbps adaptive RJ45 port,
- All ports support wire-speed forwarding ability



Easy to deploy

- Plug and play
- Dynamic LED lights without any settings
- Support desktop and standard 19 inch rack mounting



Professional lightning protection design

- Lightning protection up to 6kV for power supply-internal

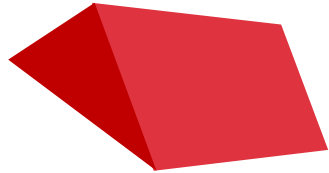


Mute&Energy saving

- Using the world's leading Broadcom chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status

IP-COM

WORLD WIDE WIRELESS



F1024



Rich port configuration

- 24*10/100Mbps adaptive RJ45 port,
- All ports support wire-speed forwarding ability



Easy to deploy

- Plug and play
- Dynamic LED lights without any settings
- Support desktop and standard 19 inch rack mounting



Professional lightning protection design

- Lightning protection up to 6kV for power supply-internal

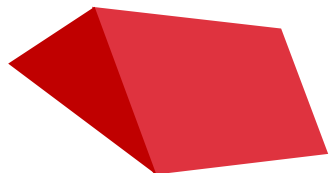


Mute&Energy saving

- Using the world's leading Broadcom chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status

IP-COM

WORLD WIDE WIRELESS



F1026F



Rich port configuration

- 24*100Mbps adaptive RJ45 port
- 2*100/1000Mbps RJ45 port
- 2*1000Mbps SFP port(combo)
- All ports support wire-speed forwarding ability



Three network work mode

- Standard
- Port priority(1-8 ports data transmission is preferred when the network is congested)
- Port VLAN(The last two are upper link ports and the rest are isolated from each other)



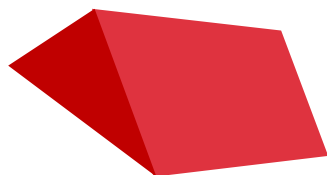
Professional lightning protection design

- Lightning protection up to 6kV for gigabit ports
- Lightning protection up to 6kV for power supply-internal



Mute&Energy saving

- Using the world's leading chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status



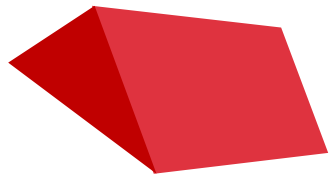
Specification

Model	F1005	F1016	F1024	F1026F
Protocol	IEEE 802.3/IEEE 802.3u/IEEE 802.3x	IEEE 802.3/IEEE 802.3u/IEEE 802.3x	IEEE 802.3/IEEE 802.3u/IEEE 802.3x	IEEE 802.3/IEEE 802.3u/IEEE 802.3x/ 802.3u/IEEE 802.3ab
Dimension	/	19 inch(1U)	19 inch(1U)	19 inch(1U)
L×W×H	100mm*64mm*25mm	440mm*178.8mm*44mm	440mm*178.8mm*44mm	440mm*178.8mm*44mm
Installation Method	Desktop/Wall mounting	Rack-mountable	Rack-mountable	Rack-mountable
Ports	5*FE RJ45	16*FE RJ45	24*FE RJ45	24*FE+2*GE+2*SFP
Capacity	1.6Gbps	4.8Gbps	4.8Gbps	8.8Gbps
MAC	1K Mac	4K Mac	4K Mac	8K Mac
Maximum Power	1.6W	<9W	<9W	<12W
Lightning Proof	/	/	6KV for power supply-internal	6KV for power supply-internal
Certification	3C,FCC,CE,RoHS	3C,FCC,CE,RoHS	3C,FCC,CE,RoHS	3C,FCC,CE,RoHS
Input voltage	DC5V 0.6A	AC:100-240V;50/60HZ	AC:100-240V;50/60HZ	AC:100-240V;50/60HZ



Unmanaged Switches(GE)





G1005



Rich port configuration

- 5*100/1000Mbps adaptive RJ45 port,
- All ports support wire-speed forwarding ability



Easy to deploy

- Plug and play
- Dynamic LED lights without any settings
- Support desktop and wall mounting



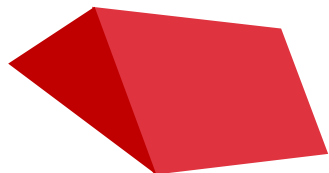
Professional lightning protection design

- Lightning protection up to 6kV for all ports

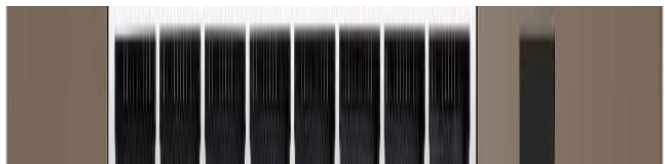


Mute&Energy saving

- Using the world's leading MTK chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status



G1008



Rich port configuration

- 8*100/1000Mbps adaptive RJ45 port,
- All ports support wire-speed forwarding ability



Loop detection&prevention

- 8 ports support loop detection&prevention



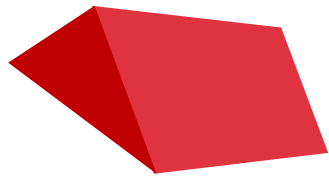
Professional lightning protection design

- Lightning protection up to 4kV for all ports



Mute&Energy saving

- Using the world's leading Broadcom chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status



G1016D



Rich port configuration

- 16*100/1000Mbps adaptive RJ45 port
- All ports support wire-speed forwarding ability



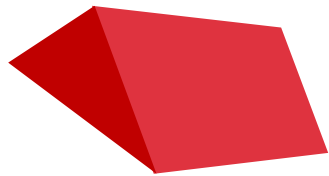
Professional lightning protection design

- Lightning protection up to 6kV for all ports
- Lightning protection up to 6kV for power supply-internal



Mute&Energy saving

- Using the world's leading Marvell chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status



G1016G



Rich port configuration

- 16*100/1000Mbps adaptive RJ45 port
- All ports support wire-speed forwarding ability



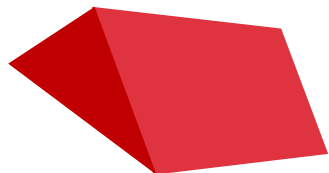
Professional lightning protection design

- Lightning protection up to 6kV for all ports
- Lightning protection up to 6kV for power supply-internal



Mute&Energy saving

- Using the world's leading Marvell chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status



G1024D



Rich port configuration

- 24*100/1000Mbps adaptive RJ45 port
- All ports support wire-speed forwarding ability



Professional lightning protection design

- Lightning protection up to 6kV for all ports
- Lightning protection up to 6kV for power supply-internal

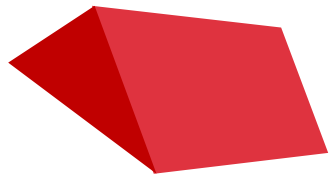


Mute&Energy saving

- Using the world's leading Marvell chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status

IP-COM

WORLD WIDE WIRELESS



G1024G



Rich port configuration

- 24*100/1000Mbps adaptive RJ45 port
- All ports support wire-speed forwarding ability



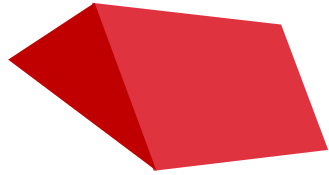
Professional lightning protection design

- Lightning protection up to 6kV for all ports
- Lightning protection up to 6kV for power supply-internal



Mute&Energy saving

- Using the world's leading Marvell chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status



G1024F



Rich port configuration

- 24*100/1000Mbps adaptive RJ45 port
- 2*100/1000Mbps SFP port(combo)
- All ports support wire-speed forwarding ability



Four network work mode

- Standard
- Flow control(Full port shutdown flow control, improve the speed of network cloning)
- Link aggregation(The last two are converging ports)
- Port VLAN(The last two are upper link ports and the rest are isolated from each other)



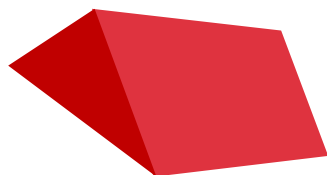
Professional lightning protection design

- Lightning protection up to 6kV for all ports
- Lightning protection up to 6kV for power supply-internal



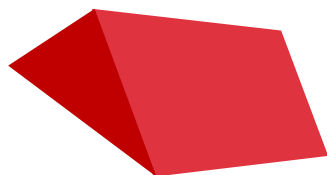
Mute&Energy saving

- Using the world's leading Marvell chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status



Specification

Model	G1005	G1008	G1016D	G1016G
Protocol	IEEE 802.3/IEEE 802.3u/ IEEE 802.3x/IEEE 802.3ab	IEEE 802.3/IEEE 802.3u/ IEEE 802.3x/IEEE 802.3ab	IEEE 802.3/IEEE 802.3u/ IEEE 802.3x/IEEE 802.3ab	IEEE 802.3/IEEE 802.3u/ IEEE 802.3x/IEEE 802.3ab
Dimension	/	/	13 inch(1U)	19 inch(1U)
L×W×H	100mm*64mm*25mm	133mm*82mm*22mm	294mm*178mm*44mm	440mm*178mm*44mm
Installation Method	Desktop/Wall mounting	Desktop/Wall mounting	Rack-mountable	Rack-mountable
Ports	5*GE RJ45	8*GE RJ45	16*GE RJ45	16*GE RJ45
Capacity	10Gbps	16Gbps	32Gbps	32Gbps
MAC	2K Mac	4K Mac	8K Mac	8K Mac
Maximum Power	3.0W	3.9W	<12W	<12W
Ports Lightning Proof	6KV	4KV	6KV	6KV
Certification	3C,FCC,CE,RoHS	3C,FCC,CE,RoHS	FCC,CE,RoHS	FCC,CE,RoHS
Input voltage	DC5V 0.6A	DC9V 0.6A	AC:100-240V;50/60HZ	AC:100-240V;50/60HZ
Environment	<ul style="list-style-type: none">• Operating Temperature: 0 °C ~ 40 °C (32°F ~ 104°F)• Operating Humidity: 10%~90%RH, Non-condensing	<ul style="list-style-type: none">• Operating Temperature: 0 °C ~ 40 °C (32°F ~ 104°F)• Operating Humidity: 10%~90%RH, Non-condensing	<ul style="list-style-type: none">• Operating Temperature: 0 °C ~ 40 °C (32°F ~ 104°F)• Operating Humidity: 10%~90%RH, Non-condensing	<ul style="list-style-type: none">• Operating Temperature: 0 °C ~ 40 °C (32°F ~ 104°F)• Operating Humidity: 10%~90%RH, Non-condensing

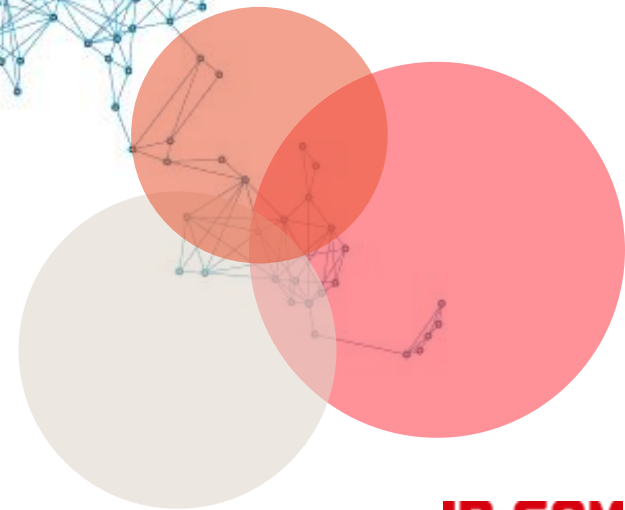


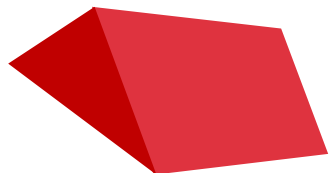
Specification

Model	G1024D	G1024G	G1024F
Protocol	IEEE 802.3/IEEE 802.3u/ IEEE 802.3x/IEEE 802.3ab	IEEE 802.3/IEEE 802.3u/ IEEE 802.3x/IEEE 802.3ab	IEEE 802.3/IEEE 802.3u/ IEEE 802.3x/IEEE 802.3ab
Dimension	13 inch(1U)	19 inch(1U)	19 inch(1U)
L×W×H	294mm*178mm*44mm	440mm*178mm*44mm	440mm*178mm*44mm
Installation Method	Rack-mountable	Rack-mountable	Rack-mountable
Ports	24*GE RJ45	24*GE RJ45	24*GE RJ45,2*SFP
Capacity	48Gbps	48Gbps	48Gbps
MAC	8K Mac	8K Mac	8K Mac
Maximum Power	<24W	<24W	<24W
Ports Lightning Proof	6KV	6KV	6KV
Certification	FCC,CE,RoHS	FCC,CE,RoHS	FCC,CE,RoHS
Input voltage	AC:100-240V;50/60HZ	AC:100-240V;50/60HZ	AC:100-240V;50/60HZ
Environment	<ul style="list-style-type: none">• Operating Temperature: 0 °C ~ 40 °C (32°F ~ 104°F)• Operating Humidity: 10%~90%RH, Non-condensing	<ul style="list-style-type: none">• Operating Temperature: 0 °C ~ 40 °C (32°F ~ 104°F)• Operating Humidity: 10%~90%RH, Non-condensing	<ul style="list-style-type: none">• Operating Temperature: 0 °C ~ 40 °C (32°F ~ 104°F)• Operating Humidity: 10%~90%RH, Non-condensing



Full Managed Switches(GE)





G3224T



Rich port configuration

- 24*100/1000Mbps adaptive RJ45 port
- 2*100/1000Mbps SFP port(combo)



Multiple management functions

- Support Web visualization graphical interface
- Support the Telnet, CLI, SNMP management functions.
- Support VLAN division, port convergence, port mirroring, loop protection, port speed limit, QoS and so on.

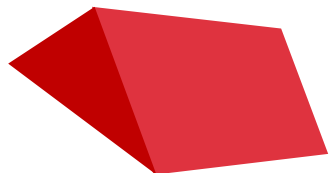


Mute&Energy saving

- Using the world's leading Broadcom chip solution, low power consumption, natural cooling
- Fanless design, energy saving, mute interface automatically transferred to energy saving status

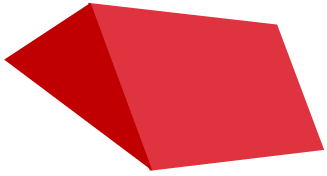
IP-COM

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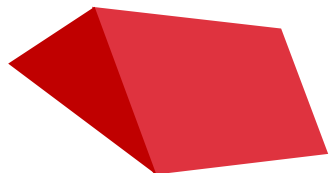


Specification

Model	G3224T
Protocol	IEEE 802.3/IEEE 802.3u/IEEE 802.3z/IEEE 802.3ab/ IEEE 802.3x/IEEE 802.1D/IEEE 802.1w/IEEE 802.1Q/IEEE 802.1p
Dimension	19inch(1U)
L×W×H	294mm*178.8mm*44mm
Installation Method	Rack-mountable
Ports	24*GE RJ45,2*SFP
Capacity	56Gbps
MAC	8K Mac
Maximum Power	40W
Ports Lightning Proof	6KV
Certification	FCC,CE,RoHS
Input voltage	AC:100-240V;50/60HZ
Environment	<ul style="list-style-type: none">• Operating Temperature: 0 °C ~ 40 °C (32°F ~ 104°F)• Operating Humidity: 10%~90%RH, Non-condensing

A wide panoramic image of the Shanghai skyline at dusk, featuring the Huangpu River and numerous skyscrapers. A network of white lines with glowing nodes is overlaid on the image, connecting various points across the city.

PoE Switch



PoE switch series

100M interface

Smart switch

S3300-10-PWR-M



S3300-18-PWR-M



S3300-26-PWR-M



Unsmart switch

F1105P-4-63W



F1110P-8-102W



F1118P-16-150W



F1126P-24-250W



Managed switch

G3210P



G3224P



1000M interface

Unmanaged switch

G1105P-4-63W



G1009P-EI



IP-COM

WORLD WIDE WIRELESS

Scenario of PoE switch

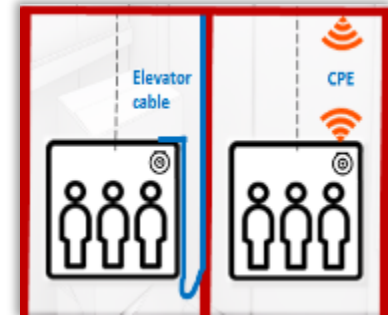
Monitoring Scene



Connect the ceiling AP



Connect the CPE



Smoke detection

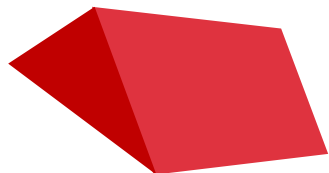


IP phone



Supply for wall Plate AP





Highlights of IP-COM PoE switch



Highlights

Troubles



- Difficult for wiring
- Big noise by the fan design
- Easy to be damaged by lightning
- Hard for power supply in long distance situation
- Power supply instability or bad transmission performance causes the network flow not smoothly
- The monitoring picture is unstable



A. Easy for Deployment

- Compact design
- Support desk & wall installation
- Plug and play
- Lightning Protection 6kV



B. Power Supply

- Support IEEE802.3af/at standard
- Lower power costing
- 250m PoE power supply



C. Great Performance

- Link-speed forwarding
- 1Gbps Backboard bandwidth
- 4*720P HD camera



D. Manufacturing Technology

- Metal Shell
- Unique thermal design without noise



PoE-Smart switch(FE)





Smart switch

Mode	S3300-10-PWR-M	S3300-18-PWR-M	S3300-26-PWR-M
PoE Standards	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
Port lightning protection	≥6KV	≥6KV	≥6KV
250m Transmission	yes	yes	yes
PoE supply	Port 1-8 support PoE,maximum power for each port is 40W	Port 1-16 support PoE,maximum power for each port is 40W	Port 1-24 support PoE,maximum power for each port is 40W
Ports	*8-Ports FE ports + 2 GE/SFP Combo port managed PoE+ switch with 8-PoE Ports IEEE802.3af/at	*16-Ports FE ports + 2 GE/ SFP Combo port managed PoE+ switch with 16-PoE Ports IEEE802.3af/at	*24-Ports FE ports + 2 GE/SFP Combo port managed PoE+ switch with 24-PoE Ports at IEEE802.3af/at
Dimensions(W*D*H)	294mm*178mm*44mm	440mm*284mm*44mm	440mm*284mm*44mm
Switching capacity	5.6Gbps	7.2Gbps	8.8Gbps
Packet forwarding rate	6.55Mbps	6.55Mbps	6.55Mbps
LED indicators	Link/Act,PoE Status,Power	Link/Act,PoE Status,Power	Link/Act,PoE Status,Power
Power consumption	Power Supply:130W In full configuration:<150W	Power Supply:230W In full configuration:<250W	Power Supply:370W In full configuration:<440W
Mac Address Table	4K	4K	4K
Port VLAN	1-8Port	1-16Port	1-24Port
MTBF	≥10WH	≥10WH	≥10WH
Input voltage	AC: 100 - 240V ~ 50/60Hz	AC: 100 - 240V ~ 50/60Hz	AC: 100 - 240V ~ 50/60Hz
STP	IEEE 802.1d/IEEE 802.1w	IEEE 802.1d/IEEE 802.1w	IEEE 802.1d/IEEE 802.1w

S3300-10-PWR-M



Product introduction

S3300-10-PWR-M is a 8-Port 10/100Mbps +2-Port Gigabit TP/SFP Combo Web Smart PoE Switch.

Ports 1-8 support IEEE 802.3af PoE (15.4W) and IEEE 802.3at PoE+ (30W) powering. The whole PoE output is 123W. By using Cat 5 twisted pair, the device can provide data and power for APs, IP cameras, IP phones, and other PoE devices.

Moreover, by using Cat 5e Ethernet and enabling extend mode, the transmission distance of data and power can be as long as 250 meters. In addition, it supports QVLAN, link aggregation, QoS, MAC binding, etc.

Port



- 8 10/100Base-TX RJ45 ports
- 2 10/100/1000Base-T RJ45/ SFP combos
- Protection: Lightning Protection 6kV\ PSE short circuit\ PoE overload\ over temperature\ overvoltage\ surge current

PoE



- 8 10/100Base-TX RJ45 ports support PoE power supply.
- Maximum output of single port is 40W
- 250m long distance transmission

Port function



- Powerful port management functions, including port mirroring, speed limit, trunk, etc

VLAN&Design



- Supports IEEE 802.3Q Tag VLAN
- Metal Shell design without noise

Management



- Supports Web, SNMP management
- Network diagnostics maintenance methods

S3300-18-PWR-M



Product introduction

S3300-18-PWR-M is a 16-Port 10/100Mbps +2-Port Gigabit TP/SFP Combo Web Smart PoE Switch.

Ports 1-16 support IEEE 802.3af PoE (15.4W) and IEEE 802.3at PoE+ (30W) powering. The whole PoE output is 230W. By using Cat 5 twisted pair, the device can provide data and power for APs, IP cameras, IP phones, and other PoE devices.

Moreover, by using Cat 5e Ethernet and enabling extend mode, the transmission distance of data and power can be as long as 250 meters. In addition, it supports QVLAN, link aggregation, QoS, MAC binding, etc,

Port



- 16 10/100Base-TX RJ45 ports
- 2 10/100/1000Base-T RJ45/SFP combos
- Protection: Lightning Protection 6kV\PSE short circuit\PoE overload\over temperature\overvoltage\surge current

PoE



- 16 10/100Base-TX RJ45 ports support PoE power supply.
- Maximum output of a single port is 40W
- 250m long distance transmission

Port function



- Powerful port management functions, including port mirroring, speed limit, trunk, etc

VLAN&Design



- Supports IEEE 802.3Q Tag VLAN
- Metal Shell design without noise

Management



- Supports Web, SNMP management
- Network diagnostics maintenance methods

S3300-26-PWR-M



Product introduction

S3300-26-PWR-M is a 24-Port 10/100Mbps +2-Port Gigabit TP/SFP Combo Web Smart PoE Switch.

Ports 1-24 support IEEE 802.3af PoE (15.4W) and IEEE 802.3at PoE+ (30W) powering. The whole PoE output is 370W. By using Cat 5 twisted pair, the device can provide data and power for APs, IP cameras, IP phones, and other PoE devices.

Moreover, by using Cat 5e Ethernet and enabling extend mode, the transmission distance of data and power can be as long as 250 meters. In addition, it supports QVLAN, link aggregation, QoS, MAC binding, etc.

Port



- 24 10/100Base-TX RJ45 ports
- 2 10/100/1000Base-T RJ45/SFP combos
- Protection: Lightning Protection 6kV\PSE short circuit\PoE overload\over temperature\overvoltage\surge current

PoE



- 24 10/100Base-TX RJ45 ports support PoE power supply
- Maximum output of a single port is 40W
- 250m long distance transmission

Port function



- Powerful port management functions, including port mirroring, speed limit, trunk, etc

VLAN&Design



- Supports IEEE 802.3Q Tag VLAN
- Metal Shell design without noise

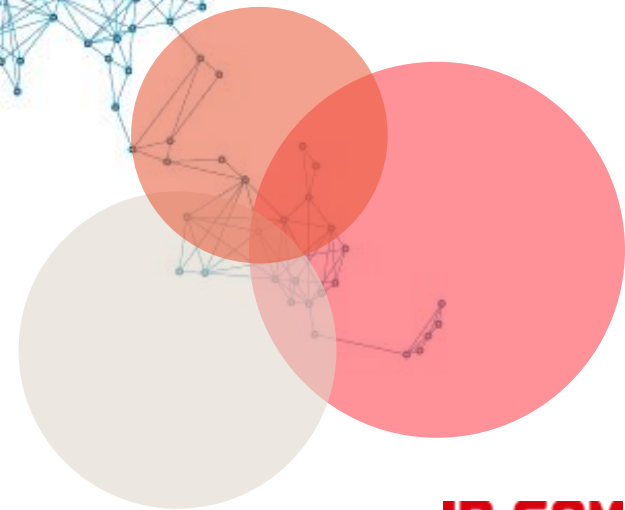
Management

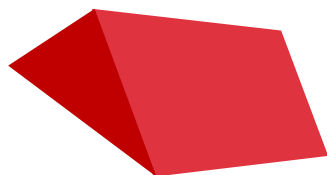


- Supports Web, SNMP management
- Network diagnostics maintenance methods



PoE-unmart switch(FE)





Unsmart switch

Mode	F1105P-4-63W	F1110P-8-102W	F1118P-16-150W	F1126P-24-250W
PoE Standards	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
Port lightning protection	≥6KV	≥6KV	≥6KV	≥6KV
250m Transmission	yes	yes	yes	yes
PoE supply	Port 1-4 support PoE,maximum power for each port is 30W	Port 1-8 support PoE,maximum power for each port is 30W	Port 1-16 support PoE,maximum power for each port is 30W	Port 1-16 support PoE,maximum power for each port is 30W
Ports	4 FE Ports (Data/PoE) 1 FE Port (Data)	8 FE Ports (Data/PoE) 2 GE Port (Data)	16 FE Ports (Data/PoE) 1 GE Port (Data) 1 10/100/1000Mbps SFP Slot	24 FE Ports (Data/PoE) 1 GE Port (Data) 1 10/100/1000Mbps SFP Slot
Dimensions(W*D*H)	100mm*100mm*26mm	177mm*104mm*26mm	294mm*178mm*44mm	294mm*215mm*44mm
Switching capacity	1Gbps	5.6Gbps	7.2Gbps	8.8Gbps
Packet forwarding rate	0.744Mbps	6.55Mbps	6.55Mbps	6.55Mbps
LED indicators	Link/Act,PoE Status,Power 100M	Link/Act,PoE Status,Power 1000M	Link/Act,PoE Status,Power 1000M	Link/Act,PoE Status,Power 1000M
Power consumption	Power Supply:58W In full configuration:<63W	Power Supply:99W In full configuration:<107W	Power Supply:135W In full configuration:<150W	Power Supply:225W In full configuration:<250W
Mac Address Table	1K	4K	4K	4K
Port VLAN	N/A	1-8Port	1-16Port	1-24Port
Input voltage	AC: 100 - 240V ~ 50/60Hz	AC: 100 - 240V ~ 50/60Hz	AC: 100 - 240V ~ 50/60Hz	AC: 100 - 240V ~ 50/60Hz

F1105P-4-63W



Product introduction

F1105P-4-63W is a 5-port 10/100Mbps unmanaged switch that requires no configuration and provides 4 PoE ports.

It can automatically detect and supply power to all IEEE 802.3af/at-compliant Powered Devices (PDs). Enabling "Ethernet Extend Mode" makes Ports 1-4 negotiate to 10M full-duplex rate and isolate from each other, but all communicate with the Uplink port. In this mode, the transmission distance is up to 250m. In this situation, the electrical power is transmitted along with data in one single cable allowing you to expand your network to where there are no power lines or outlets, where you wish to fix devices such as APs, IP Cameras or IP Phones, etc.

Monitoring



- 1Gbps backboard bandwidth support 4 720P HD infrared camera
- Power Supply with 8-core Ethernet Cable Ensure full power for HD cameras
- Lightning Protection 6kV

Port



- 5 10/100M self-adaptive RJ45 ports
- Port 1 ~ 4 has PoE function and port 5 can be used as the uplink port

PoE



- Support 4 ports to the IEEE802.3af standard full load (15.4 W) power supply or 2 ports to the IEEE802.3at standard full load (30W) power supply
- Total power of the device is 63W
- 250m long distance transmission

Mode



- Provide a mode switch to support
 - Default (standard exchange)
 - Extend (network extension)

Design



- Metal Shell design without noise
- Its unique cooling design ensures long-time operation stably

IP-COM

WORLD WIDE WIRELESS

F1110P-8-102W



Product introduction

F1110P-8-102W is an 8-port 10/100Mbps+2-port gigabit desktop PoE switch developed by IP-COM. It provides 8 10/100 BASE-TX RJ45 ports and 2 10/100/1000 BASE-T RJ45 ports. Ports 1-8 support IEEE 802.3at PoE standard with each port providing power of 15.4W, or support IEEE 802.3af PoE+ standard with each port providing power of 30W. The whole device can provide power of up to 99W. By using CAT5 twisted pairs, it can provide power and data transmission to APs, IP cameras, IP phones, and so on. In addition, all the ports support lightning protection of 6kV and long distance data transmission and powering of 250m, which decreases deployment difficulty and time thus decreases cost.

Monitoring



- The maximum power supply of port PoE is 30W
- Power Supply with 8-core Ethernet Cable Ensure full power for HD cameras
- Lightning Protection 6kV

Port



- 8 10/100M self-adaptive RJ45 ports
- The two gigabit uplink ports are capable for cascade connection of more devices.

PoE



- Ports 1-8 support IEEE 802.3at and IEEE 802.3af PoE standard
- It provides PoE power of up to 30W each port and up to 99W the whole device
- 250m long distance transmission

Mode



- Provide a mode switch to support
 - Default (standard exchange)
 - Extend (network extension)
 - VLAN(Each port is isolated by VLAN)

Design



- Metal Shell design without noise
- Its unique cooling design ensures long-time operation stably

F1118P-16-150W



Product introduction

F1118P-16-150W is a IP-COM PoE switch that offers 16 10/100 Mbps Base-TX RJ45 ports, 1 10/100/1000 Mbps Base-T RJ45 ports, and 1 1000 Mbps Base-X SFP port. Ports 1-16 comply with the IEEE 802.3af standard (maximum PoE power output: 15.4 W) and 802.3at standard (maximum PoE power output: 30 W).

The switch offers a maximum PoE power output of 135 W and can supply power to and exchange data with APs, IP cameras, and IP phones through CAT5 cables. It also provides simple management modes such as CCTV, VLAN, and Extend to help reduce cabling costs of IP terminals like APs and IP cameras.

Purchase/Enquiry

Monitoring



- The maximum power supply of port PoE is 30W
- Power Supply with 8-core Ethernet Cable Ensure full power for HD cameras
- Lightning Protection 6kV

Port



- 16 10/100M self-adaptive RJ45 ports
- 1 10/100/1000 Mbps Base-T RJ45 port
- 1 100/1000Base-X SFP port

PoE



- Ports 1-16 support IEEE 802.3at and IEEE 802.3af PoE standard
- The entire switch offers a maximum PoE power output of 135W
- 250m long distance transmission

Mode



- Provide a mode switch to support
 - CCTV(1-8 ports support QoS)
 - Default (standard exchange)
 - Extend (network extension)
 - VLAN(Each port is isolated by VLAN)

Design



- Metal Shell design without noise
- Its unique cooling design ensures long-time operation stably

IP-COM

WORLD WIDE WIRELESS

F1126P-24-250W



Product introduction

F1126P-24-250W is a IP-COM PoE switch that offers 24 10/100 Mbps Base-TX RJ45 ports, 1 10/100/1000 Mbps Base-T RJ45 ports, and 1 1000 Mbps Base-X SFP port. Ports 1-24 comply with the IEEE 802.3af standard (maximum PoE power output: 15.4 W) and 802.3at standard (maximum PoE power output: 30 W).

The switch offers a maximum PoE power output of 225 W and can supply power to and exchange data with APs, IP cameras, and IP phones through CAT5 cables. It also provides simple management modes such as CCTV, VLAN, and Extend to help reduce cabling costs of IP terminals like APs and IP cameras.

Monitoring



- 13-inch desktop size, 1U height, rack mountable.
- The maximum power supply of port PoE is 30W
- Lightning Protection 6kV

Port



- 24 10/100M self-adaptive RJ45 ports
- 1 10/100/1000 Mbps Base-T RJ45 port
- 1 100/1000Base-X SFP port

PoE



- Ports 1-24 support IEEE 802.3at and IEEE 802.3af PoE standard
- The entire switch offers a maximum PoE power output of 225W
- 250m long distance transmission

Mode



- Provide a mode switch to support
 - CCTV(1-8 ports support QoS)
 - Default (standard exchange)
 - Extend (network extension)
 - VLAN(Each port is isolated by VLAN)

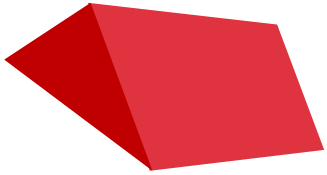
Design



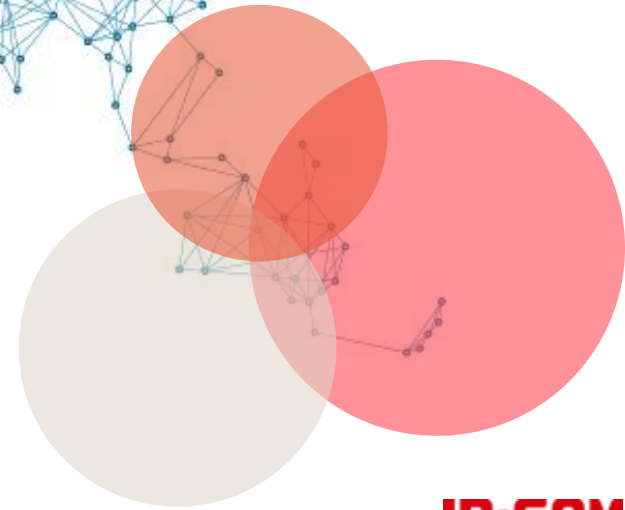
- Metal Shell design without noise
- Its unique cooling design ensures long-time operation stably

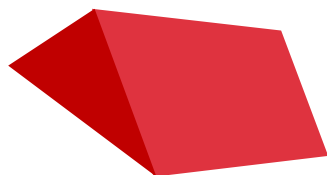
IP-COM

WORLD WIDE WIRELESS



PoE-Managed switch switch(GE)





Managed switch

Mode	G3210P	G3224P
PoE Standards	IEEE 802.3af/at	IEEE 802.3af/at
Port lightning protection	≥6KV	≥6KV
250m Transmission	yes	yes
PoE supply	Port 1-8 support PoE,maximum power for each port is 30W	Port 1-24 support PoE,maximum power for each port is 30W
Ports	8 GE Port(Data/PoE) 2 SFP	24 GE Port(Data/PoE) 4 SFP(Combo)
Dimensions(W*D*H)	294mm*178mm*44mm	440mm*284mm*44mm
Switching capacity	18Gbps	20Gbps
Packet forwarding rate	13.4Mbps	14.4Mbps
LED indicators	Link/Act,PoE Status,Power 1000M	Link/Act,PoE Status,Power 1000M
Power consumption	Power Supply:123W In full configuration:<150W	Power Supply:370W In full configuration:<440W
Mac Address Table	8K	8K
Port VLAN	1-8Port	1-24Port
MTBF	≥10WH	≥10WH
Input voltage	AC: 100 - 240V ~ 50/60Hz	AC: 100 - 240V ~ 50/60Hz
STP	IEEE 802.1d/IEEE 802.1w	IEEE 802.1d/IEEE 802.1w

G3210P



Product introduction

G3210P, IP-COM 8G+2SFP Managed PoE Switch is right for remote Gigabit wireless cabling and HD monitoring network. Besides with access of high performance, it provides 8 10/100/1000 Base-T Ethernet ports and 2 extra independent 1000Base-X Gigabit SFP ports.

Ports 1~8 support IEEE 802.3af PoE (15.4W) or 802.3at PoE+ (30W) standard; up to 40W power output per PoE port; and can supply electricity to high-power PDs such as dual band/11AC devices; supply electricity and transmit data at the same time to AP, IP Camera or IP Phone via Cat.5e twisted-pair cables. In addition to these, it provides stronger safety protection system, improved QoS policy, multiple VLAN features and higher availability of maintenance. To sum up, IP-COM 8G+2SFP Managed PoE Switch is an ideal and safe switch for easy use

Hardware security



- Support ARP intrusion
- Support IP Source Check, preventing Invalid address from MAC deceive, IP deceive, MAC/IP deceive and the deuterogenic DoS attack.
- DHCP Snooping function can completely eradicate the private DHCP servers

Port



- 8 Gigabit Ethernet ports
- 2 SFP independent optical ports
- Ports 1~8 support PoE (AT/AF) and up to 40W power output per PoE port

PoE+



- PoE intelligent power management
- Power supply time management
- Port power supply and priority according to PD equipment configuration

Safety



- Supports VLAN, IP+MAC Binding, QoS, DHCP Snooping, Telnet
- Provide 802.1x and MAC authentication
- Permit or restrict flow based on MAC address
- Setup the maximum number of MAC address by port-permitted

Quality



- Quality: MTBF ≥ 100,000H
- Stability: 64 byte package, time delay < 10us, packet loss rate: 0%
- Recoverability: when network is not stable or error occurs, reboot time ≤ 10s.

G3224P



Product introduction

G3224P is Ethernet PoE Switch designed to build reliable and smart wireless network. Providing 24-10/100/1000 Base-T Ethernet ports and 4 SFP slots for high-access-capability. 1-24 port supports IEEE 802.3af PoE(15.4W) or 802.3at PoE+(30W) power supply, and PoE output full power up to 370W. Providing DC power and data transmission for AP, IP Phone and IP Camera through category 5 twisted pair.

Providing safer protection system, excellent QoS strategy, rich VLAN function and stronger maintenance and management, which is a safe and easy PoE switch for your ideal choice.

Hardware security



- Support ARP intrusion
- Support IP Source Check, preventing Invalid address from MAC deceive, IP deceive, MAC/IP deceive and the deuterogenic DoS attack.
- DHCP Snooping function can completely eradicate the private DHCP servers

Port



- 24 Gigabit Ethernet ports
- 4 SFP independent optical ports
- Ports 1~24 support PoE (AT/AF)
- PoE output full power up to 370W

PoE+



- PoE intelligent power management
- Power supply time management
- Port power supply and priority according to PD equipment configuration

Safety

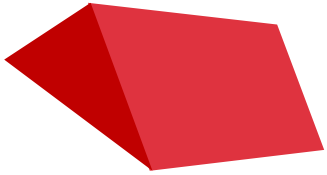


- Supports VLAN, IP+MAC Binding, QoS, DHCP Snooping, Telnet
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- Permit or restrict flow based on MAC address
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- Stability: 64 byte package, time delay < 10us, packet loss rate: 0%
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PoE-unmanaged switch switch(GE)



Why Gigabit PoE Switch?



Q:What scenarios should I use the Gigabit PoE switch?

A:The monitoring picture always loss in some scenarios like traffic monitoring project because the situation change very frequently and the switch didn't match the HD camera. We recommend IP-COM Gigabit PoE switch in such scenarios.

Q:What scenarios should I use the 9 Ports PoE switch?

A:Hd monitoring solution often use 8-way cameras,a 8 ports switches can't provide the uplink interface,but using two switches will cause waste of resources. So we recommend IP-COM G1109P-EI in such scenarios which need 8 road camera.



Q:What are the common scenarios for HD cameras?

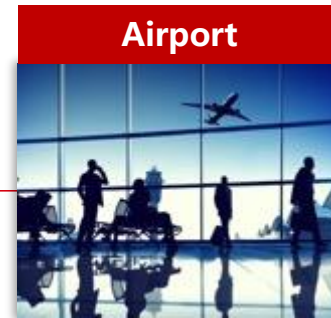
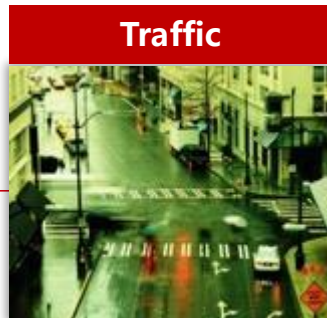
Traffic monitoring: Need hd camera to monitor traffic condition, record plate number and so on.

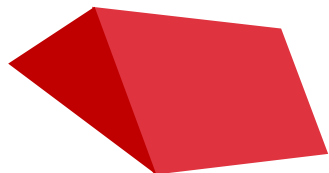
Government monitoring: Security monitoring in government offices is particularly important.

Airport monitoring: The airport's safety is very important,and the requirement of monitoring is very high because of the large traffic.



HD Camera





Unmanaged switch

Mode	G1105P-4-63W	G1009P-EI
PoE Standards	IEEE 802.3af/at	IEEE 802.3af/at
Port lightning protection	≥6KV	≥6KV
250m Transmission	yes	yes
PoE supply	Port 1-4 support PoE,maximum power for each port is 30W	Port 1-8 support PoE,maximum power for each port is 30W
Ports	5 GE Port(Data/PoE)	9 GE Port(Data/PoE)
Dimensions(W*D*H)	100mm*100mm*26mm	235mm*103mm*27mm
Switching capacity	10Gbps	18Gbps
Packet forwarding rate	8.3Mbps	13.4Mbps
LED indicators	Link/Act,PoE Status,Power 1000M	Link/Act,PoE Status,Power 1000M
Power consumption	Power Supply:58W In full configuration:<63W	Power Supply:99W In full configuration:<107W
Mac Address Table	4K	4K
Port VLAN	1-4Port	N/A
MTBF	≥10WH	≥10WH
Input voltage	AC: 100 - 240V ~ 50/60Hz	AC: 100 - 240V ~ 50/60Hz
STP	IEEE 802.1d/IEEE 802.1w	IEEE 802.1d/IEEE 802.1w

G1105P-4-63W



Product introduction

G1105P-4-63W is a IP-COM PoE switch that offers 5 10/100/1000 Mbps Base-TX RJ45 ports. Ports 1-4 comply with the IEEE 802.3af standard (maximum PoE power output: 15.4 W) and 802.3at standard (maximum PoE power output: 30 W). The switch offers a maximum PoE power output of 58 W and can supply power to and exchange data with APs, IP cameras, and IP phones through CAT5 cables.

It also provides simple management modes such as VLAN, to help reduce cabling costs of IP terminals like APs and IP cameras.

Monitoring



- Lightning Protection 6kV
- PSE shortcircuiting protection
- PoE overloading\power over temperature\over voltage\surge current protection.

Port



- 5 10/100/1000 Mbps Base-T RJ45 port

PoE



- Ports 1-4 comply with the IEEE802.3af and IEEE802.3at power supply standards.
- The entire switch offers a maximum PoE power output of 58W
- each port offers a maximum PoE power output of 30 W

VLAN



- ONE KEY VLAN
If "vlan mode" is enabled, Port 1-4 will be isolated respectively but can communicate with the 5 port. Hardware DIP switch to isolate ports to prevent broadcast storm and defend against DHCP spoofing

Design



- Metal Shell design without noise
- Its unique cooling design ensures long-time operation stably

G1009P-EI



Product introduction

IP-COM G1009P-EI is 9-Port Gigabit Desktop Switch with 8 PoE Ports, providing 9 GE Base-T Ethernet ports. 1-8 ports supports IEEE802.3af PoE(15.4W) simultaneous or 4 ports supports 802.3at PoE(30W) simultaneous. This device can supply power and transfer data for AP, IP Camera and IP Phone by ethernet cable.

The device complies with 802.3az(IEEE) standard, and is designed with superior performance such as 9th uplink port for lightning protection, PoE dynamic power, lower power consumption and fan-less.

Monitoring



Port



PoE



Highlight



Design



- Backplane broadband up to 18Gbps
- packet forwarding rate up to 13.4Mpps
- supports non-blocking wire-speed forwarding
- Integrates with professional lightning-proof circuit
- supports 2-level lightning -proof for uplink port

- 9 10/100/1000Mbps auto-sensing RJ45 ports
- Support parallel-line and cross-line auto-detection (Auto MDI/MDIX)

- 1-8 ports support PoE (AF/AT) , wire-speed forwarding on each port
- Compliant with IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at

- 4K MAC address list with address learning and aging
- Adopts CAT 5e or above, power and transmission distance up to 150 metres
- Complies with 802.az(IEEE), applies energy-saving chipsets, environment-friendly, fanless design for silent operation

- Metal Shell design without noise
- Supports absorption installation/desktop installation/wall-mount

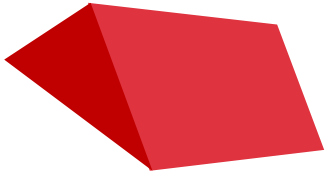


1 About IP-COM

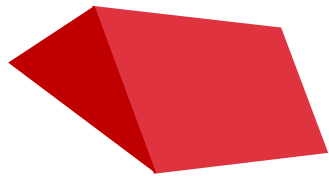
2 Product

3 Solution

|contents

An aerial view of the Shanghai skyline at dusk, featuring the Huangpu River and numerous skyscrapers. A network of white lines with glowing nodes is overlaid on the image, connecting various points across the city.

Hotel Solution



Problem of hotel wireless coverage

01

**Destroy
decoration**

- Numerous rooms in hotel
- Most rooms are decorated
- Wiring difficult

02

**Experience
is not good**

- Low speed
- WiFi drop-line
- Dead spot
- AP limited access

03

Insecurity

- No enterprise Firewall
- No VLAN isolation
- User information is easy to leak
- Vulnerable to hacker attack

04

**Function
less**

- traditional WIFI only meets the Internet demand, lack of advertising marketing function



Hotel and engineer the main focus



Hotel customer

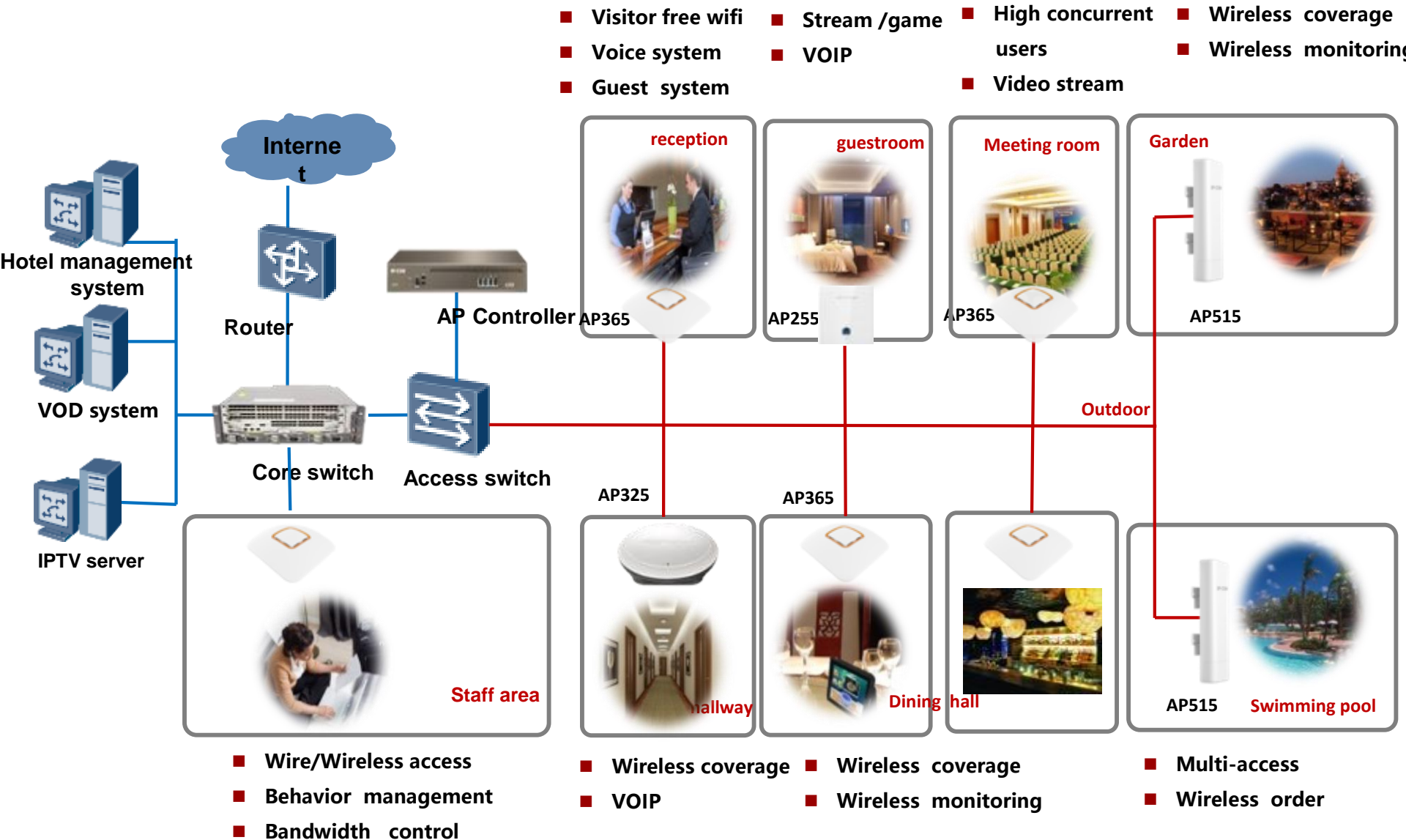
- Network experience should be good, no complaints
- WIFI construction should be cost-effective
- Stable and secure performance
- Easy maintenance
-



Engineering customer

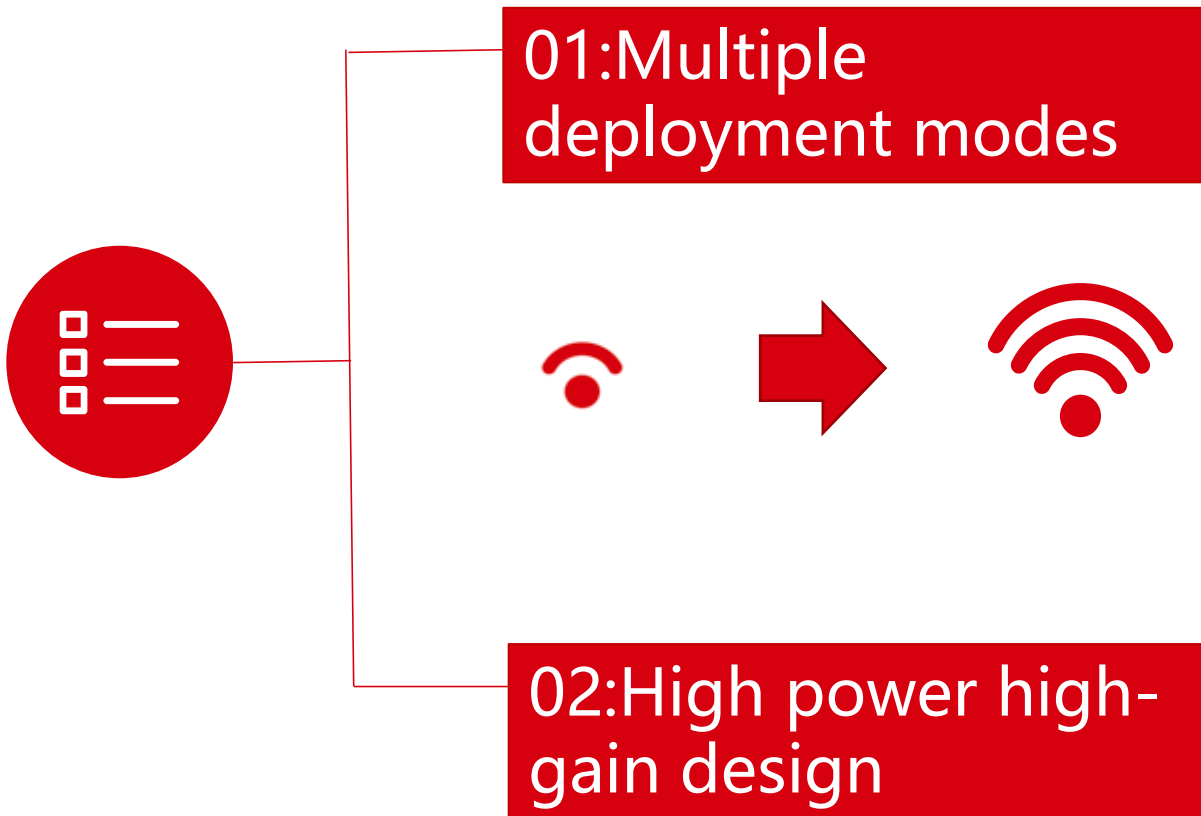
- Deployment installation should be simple and fast
- It is easy to maintain and the hotel can solve itself
- Extension is simple and convenient for follow-up
-

Overall architecture





Values 1 --Solve the WIFI coverage problem



Values 2 --Solve the WIFI instability



01 | Beamforming+

WIFI signal everywhere



User A

User B

Beamforming+ WIFI signal everywhere



02 | MU-MIMO

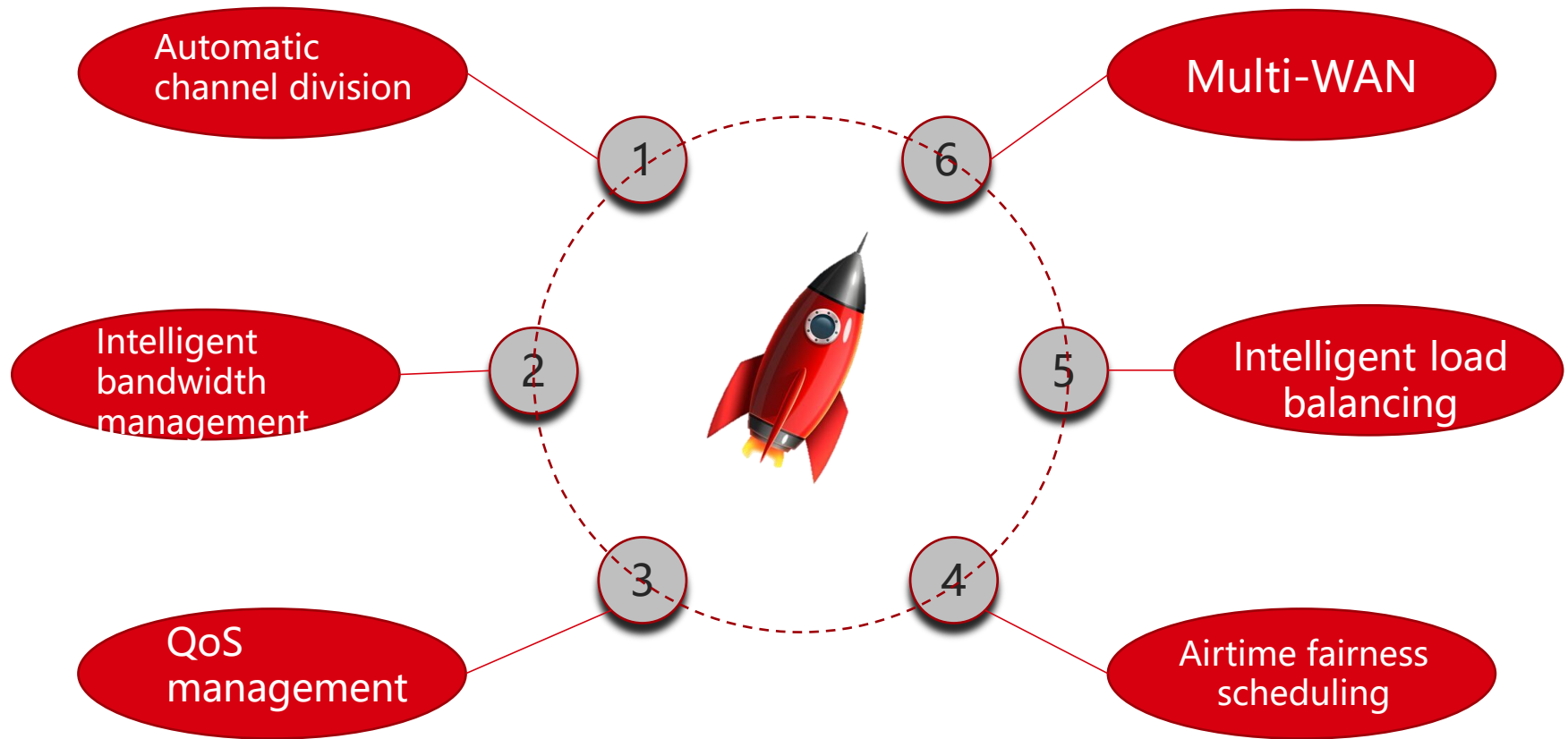
Allow more access, not crash



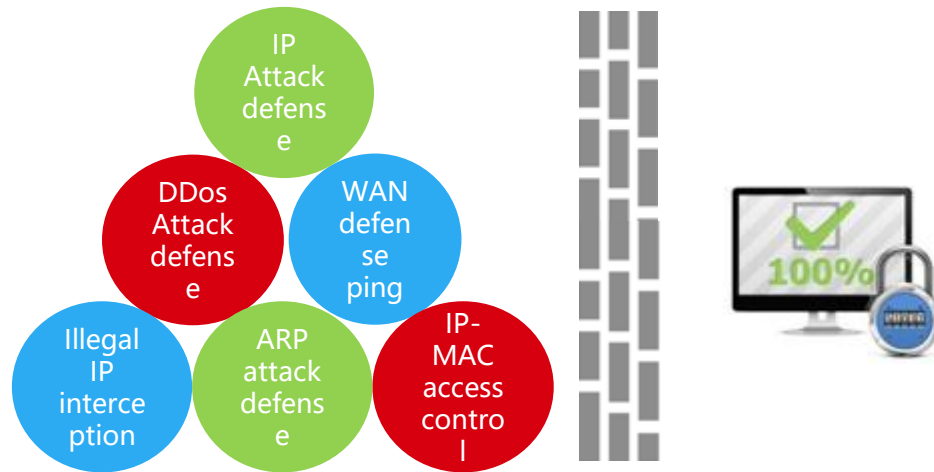
MU-MIMO support more access



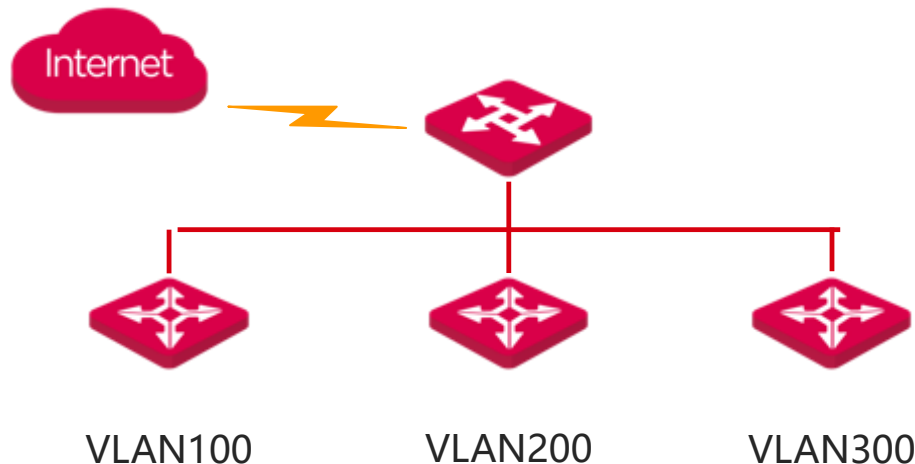
Values 3 --Solve the slow WIFI speed problem



Values 4 --Solve the WIFI more secure problem



- **6 security defense:** IP attack defense、ARP attack defense、IP-MAC access control、WAN defense ping、Ddos attack defense、Illegal IP interception
- **A key to use:** There is no complex setting , just one key to use.

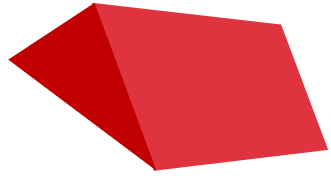


- **VLAN strategy:** the hotel office network and guest room network are divided into different Vlan.
- **VLAN isolation:** data of different VLAN is not intersected to avoid mutual attack

Values 5 – Easier network maintenance



- ✓ Through intelligent alarm, network management can detect network anomalies on time, quickly and accurately identify failures , reduce maintenance costs.
- ✓ Visualized page , through AP map can view network topology to make the network stable and healthy.




Outdoor Monitoring Solutions



Problem of traditional outdoor monitoring

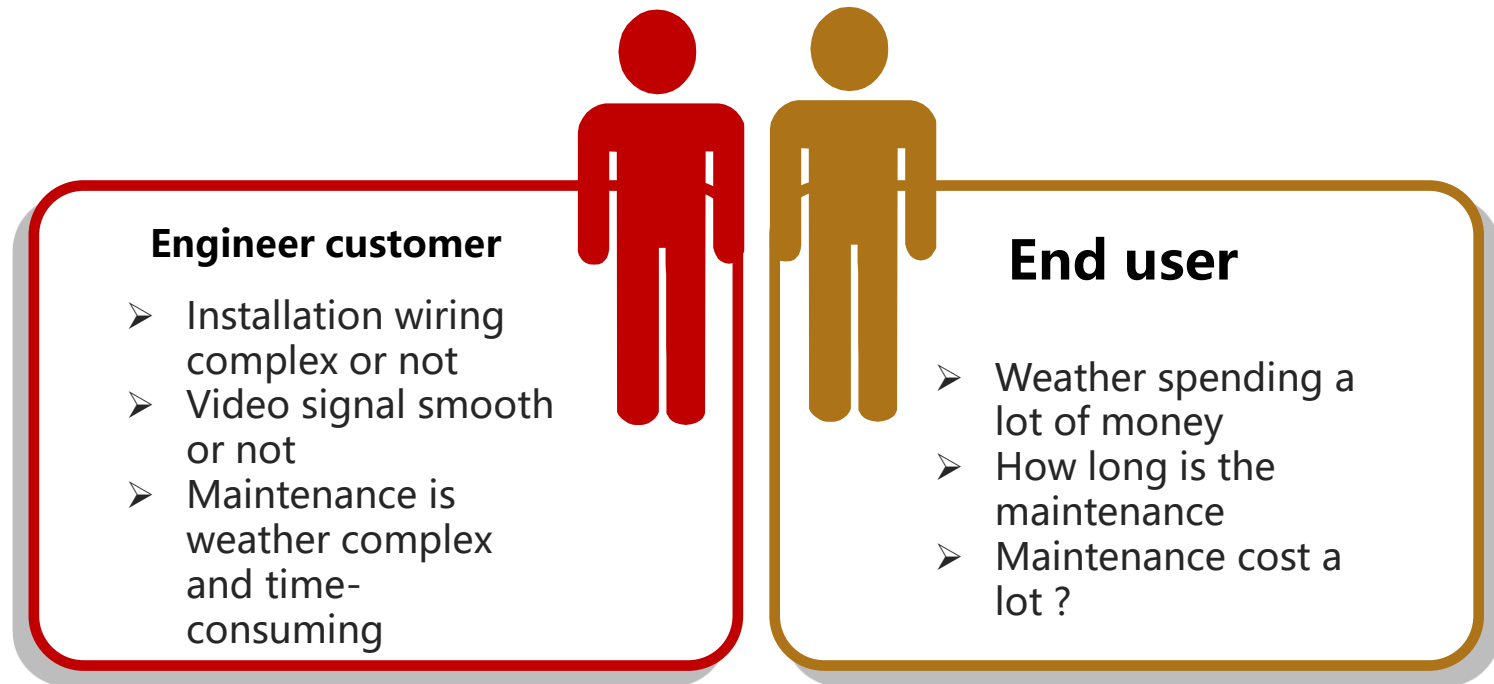


Problems

- 
- 1、 if distance is long, you need fiber cable for monitoring.
 - 2、 Very expensive and wiring difficult.
 - 3、 Maintenance difficult.



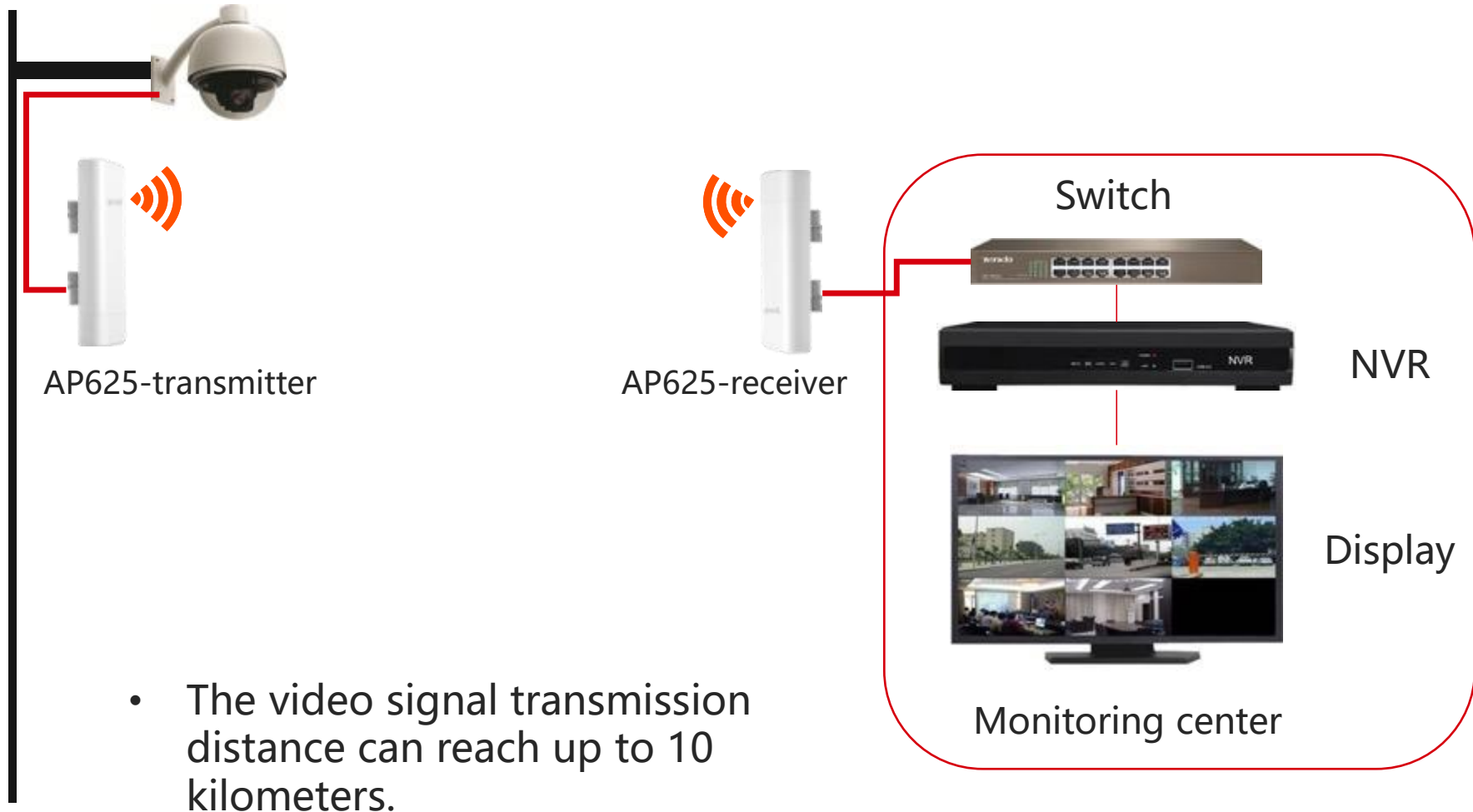
the main focus

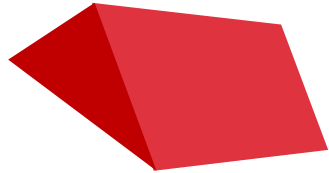


Based on this, IP-COM launch wireless outdoor monitoring solutions.



Overall architecture





Values 1 -- Solve the transmission distance problem



- 400mW external power amplifier
- 16dBi dual-polarized directional antenna
- Wireless anti-interference optimization
- Level 6 receiving signal adjustment



Values 2 --Solve the complex deployment problem



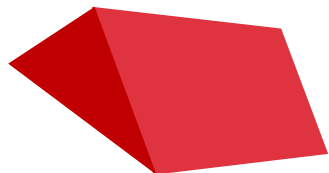
Tradition outdoor monitoring

- Wiring difficult , need digging holes.
- Inspection hard
- Fiber cable and labor cost a lot

Wireless elevator monitoring

- No need wiring
- Inspection is very easy
- Signal visualization , quickly locate problems





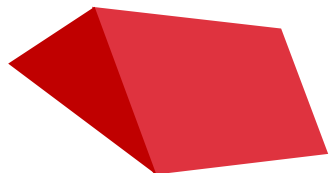
Values 3 –Video signal clear & smooth



Special design for outdoor monitoring

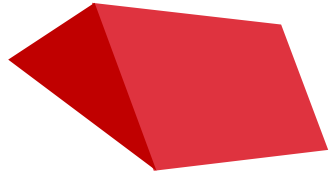
Video throughput increased by more than 20%

When break down, inspection easy



Values 4 – Save money

	Tradition monitoring	Wireless monitoring
Deployment ways	Fiber + fiber transceiver	AP615/AP625
efficiency	Smooth and fluent	Smooth and fluent
Convenience and maintainability	Wiring difficult ,you need digging holes, and use outdoor fibers	Maintenance easy, you just pay attention to wireless CPE
Cost(by 3 km)	Fiber cost :1500RMB Fiber transceiver cost: 250RMB Labor cost : 2000 RMB Total: 3750RMB	<800RMB



Elevator Monitoring Solutions



Problem of traditional elevator monitoring

Alas, the elevator monitoring has to be repaired again!

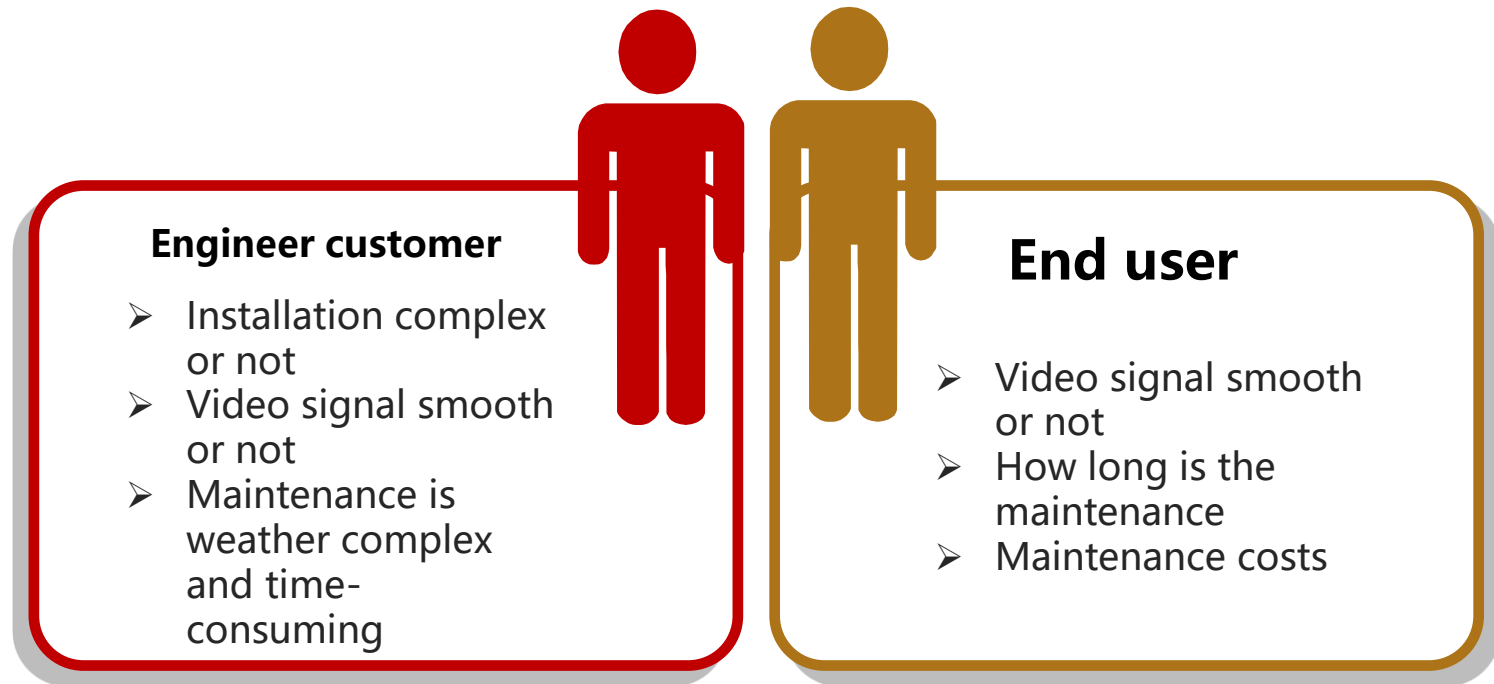


Problems

- 1、 it takes a long time to wiring in elevator monitoring.
- 2、 The cable is easy to worn and need replaced every year.
- 3、 the video signal will break down when elevator start and pause.



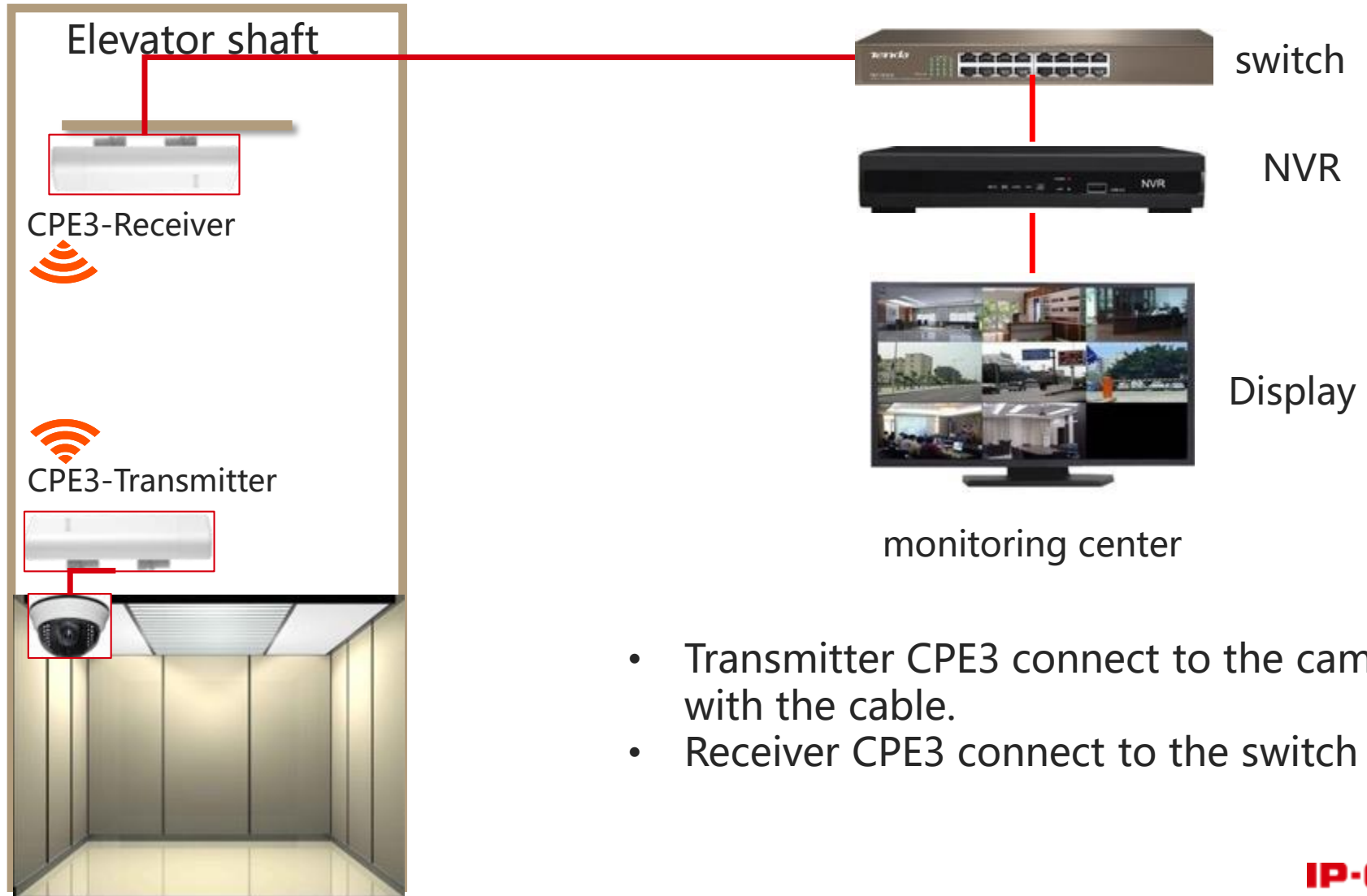
the main focus



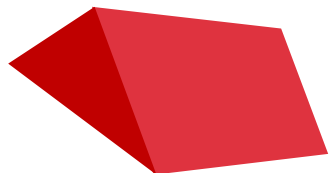
Based on this, IP-COM launch elevator monitoring wireless solutions.



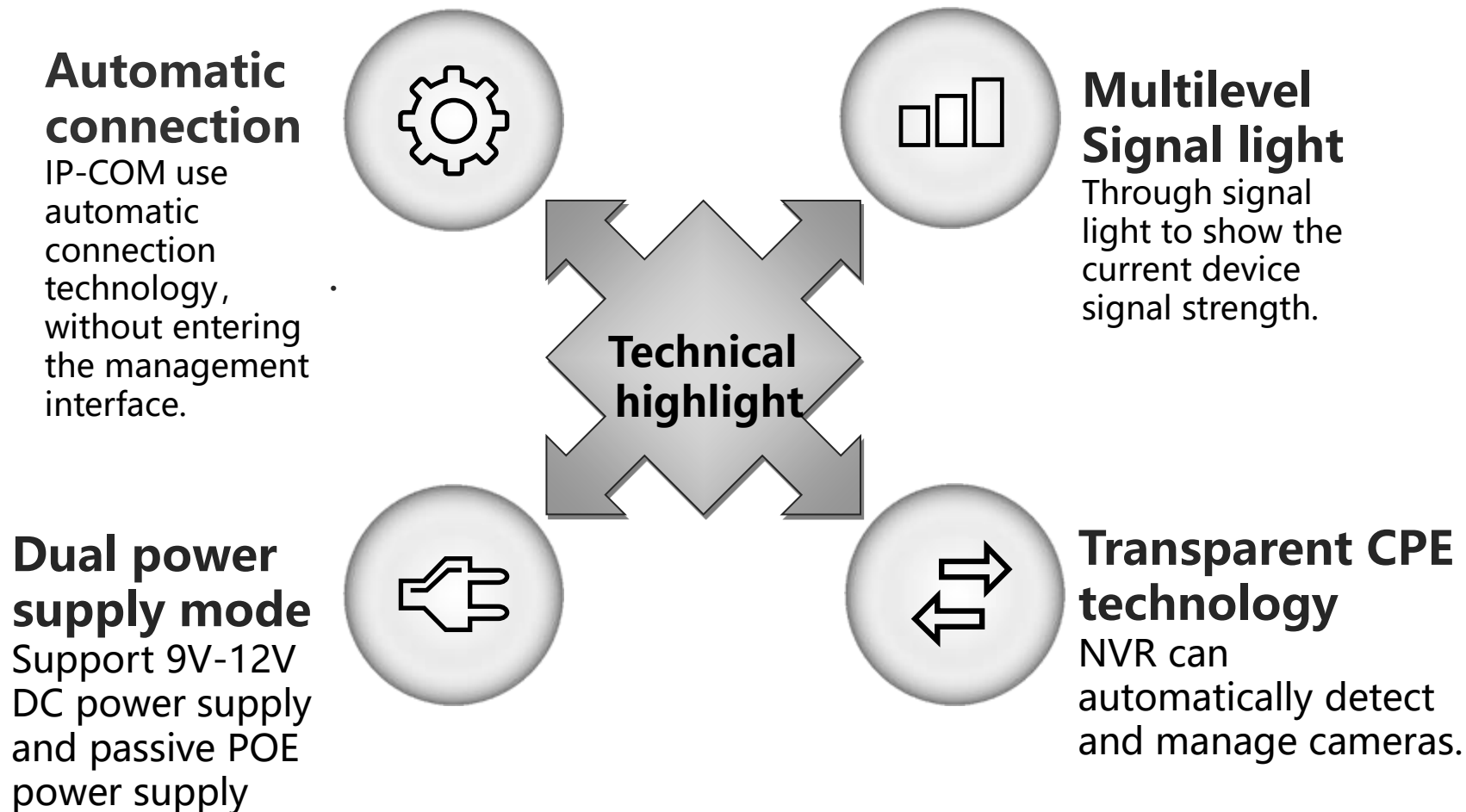
Overall architecture



- Transmitter CPE3 connect to the camera with the cable.
- Receiver CPE3 connect to the switch



Values 1 -- Solve the complex installation





Values 2 --Solve the complex maintenance problem



Tradition elevator monitoring

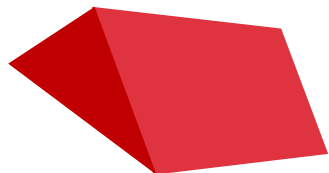
- Regular inspection of cables
- Inspection cost time
- Money cost a lot



Wireless elevator monitoring

- 2 years maintenance free
- Inspection is very easy
- Signal visualization , quickly locate problems





Values 3 –Video signal clear & smooth



Special design for monitoring

Video throughput increased by
more than 20%

No need to change the cable
regularly

Start and stop, monitoring
signal break down

Need to change the cable
regularly



THANKS



www.ip-com.com.cn/en

IP-COM Networks Co.Ltd