

Wi-Tek

Communication Solution



www.wireless-tek.com

About Us

- ✓ Manufacturer Wireless-Tek Technology Ltd.
- ✓ Brand Wi-Tek
- ✓ Year of foundation 2009
- ✓ Production Shenzhen, China
- ✓ R&D 80+ engineers in Shenzhen, Sichuan
- ✓ Main products PoE switches, WiFi bridge and Access Points
- ✓ Product Quality <0.3% discard



World Market Occupancy



Wireless-Tek Technology Ltd. located in Shenzhen, China, is commonly known as Wi-Tek which is dedicated in research and application of commercial network communication equipment.

The product line covers PoE switch, Indoor/Outdoor Access Point, CPE, Fiber and etc with CE, FCC and ROHS certificates. Wi-Tek provide fast, safe and easy-maintenance network solution and equipment to SME industries of government, hospital shopping mall, education and health-care around the world

Founded in 2009, Wi-Tek has got an amazing growth on the basis of 80+ professional R&D engineers, 5000 SQM self-owned independent factory and 200 diligent workforce. By providing high quality and innovative functional products, reliable services, cost-effective price, Wi-Tek built up a solid, long-term friendly business relationship over 50+ countries within 9 years

- Vision: We offer professional Network Connecting Solution
- Mission: To maximize the value of Internet Connection
- Commitment: Reliable Quality, Excellent Performance, Cost-effective price

Product of Our company



Product Line

250m Long-Range CCTV PoE Switch

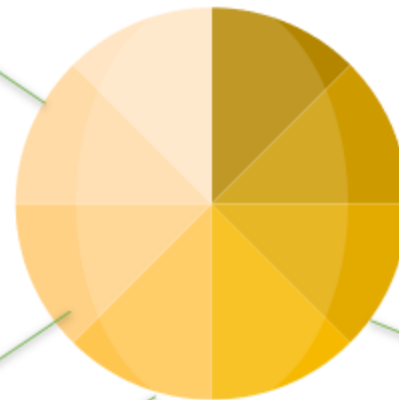
Gigabit PoE Switch

UPS Solar PoE Switch

24V-48V Smart PoE Switch

FTTx Product for ISP

Industrial/Outdoor PoE Switch



Indoor/Outdoor Wireless AP

Wireless Transmitter for CCTV

PoE Wireless Router and CPE for WISP

250m Long-Range CCTV PoE switch series



Double Uplink

Fanless

AC Power

Port VLAN

Extend

PoE Watchdog

60W 802.3BT

Internal Power

Wi-Tek Communication Solution

4+2 Ports 100Mbps Long PoE Switch

PoE Link

Default Uplink

LAN

Wi-Tek

Wi-Tek

Wi-Tek

Wi-Tek

Wi-Tek

Wi-Tek

Wi-Tek

250m Long-Range CCTV PoE switch series



Product	WI-PS205	WI-PS205H	WI-PS210	WI-PS210G	WI-PS518G	WI-526G
Ports	6FE	6FE	10FE	8FE + 2GE	16FE+2GE+1SFP	24FE+2Combo
PoE Ports	4	4	8	8	16	24
PoE Standard	802.3af/at/bt	802.3af/at	802.3af/at/bt	802.3af/at/bt	802.3af/at/bt	802.3af/at/bt
PoE Power Budget	65W	35W	120W	120W	200W	250W
Feature	250 meters PoE Port VLAN	250 meters PoE Port VLAN	250 meters PoE Port VLAN	250 meters PoE Port VLAN	250 meters PoE	250 meters PoE Port VLAN
Camera QTY Support(5MP)	4	4	8	8	16	24
Ping Watchdog	YES	NO	YES	YES	YES	YES
Hi PoE 60W	Port 1	No	Port 1	Port 1	Port 1,2	Port 1,2



250m Long-Range Transmission

Improve the flexibility and scalability of CCTV network.



Port VLAN Mode

Prevent the CCTV data from broadcast storm.



Double Uplink Ports

Connect to NVR directly, eliminate the bandwidth limit of router.



802.3bt Hi PoE

Support 60W high output power, can meet more requirement of PD.



Internal Power Adapter Design

Enhance the heat dissipation of the adapter to ensure the safe operation.



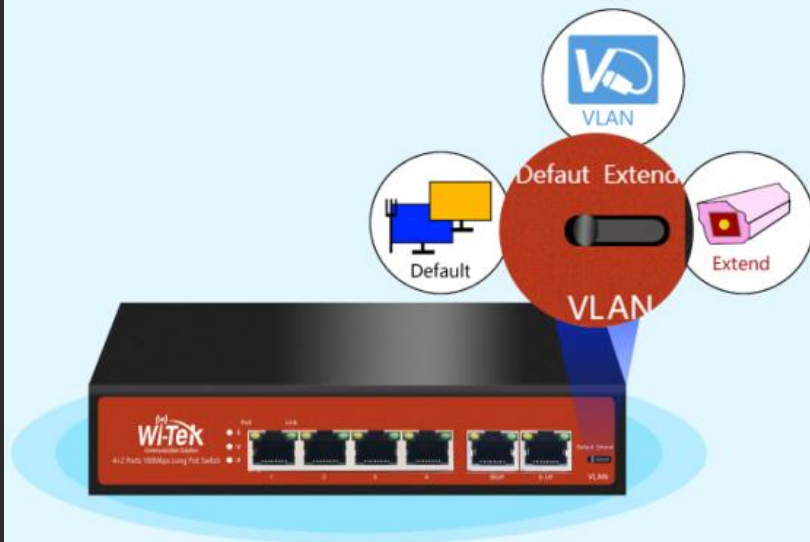
Smart PoE Watchdog Function

Detect IP camera system halted then restart PoE automatic

3 work modes Design

Easy to Deploy

Power Supply up to 250m(850 feet)



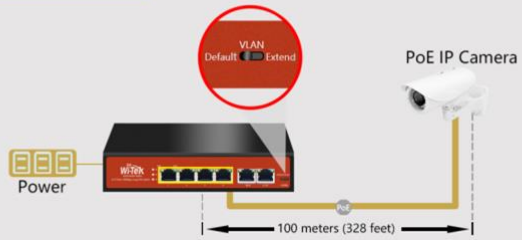
High Compatibility

Support IEEE 802.3af/at Standard

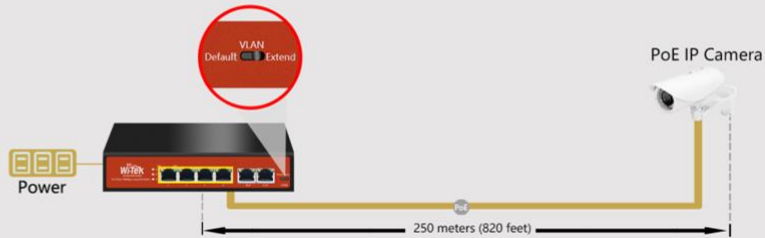


Extend Mode(250meter Long-Range PoE)

Standard PoE Mode

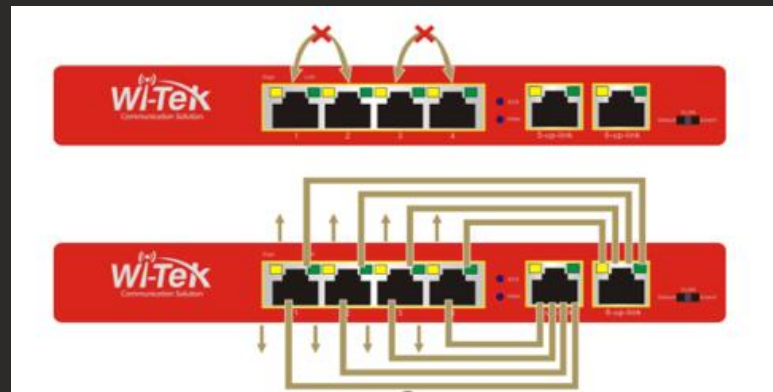


Extend PoE Mode



Port VLAN (Port Isolation)

For CCTV



For CCTV

Port VLAN advantage

Port VLAN prevent compliant devices from broadcast storm



Switch without Port VLAN function.

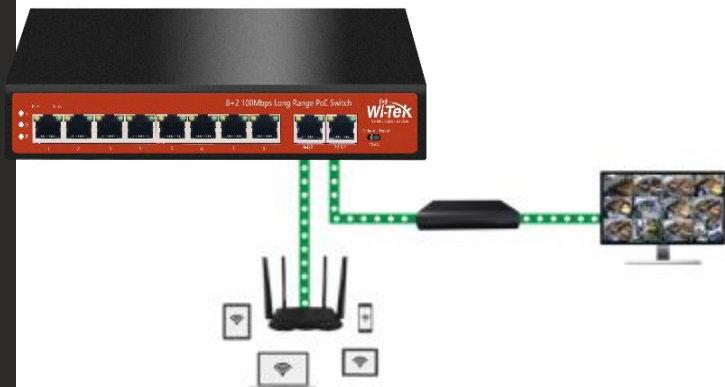


For CCTV

Double Uplink Design



Wi-Tek switch with double uplink ports



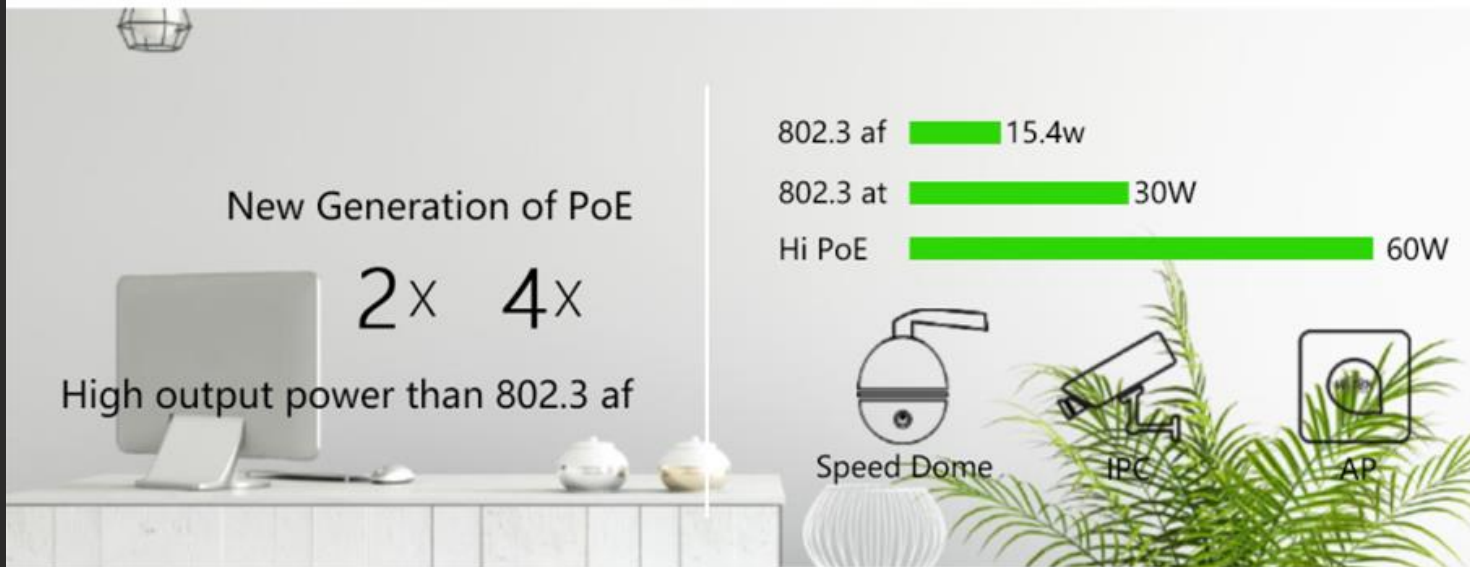
Other brand switch with one uplink port



New 802.3bt PoE Standard

For CCTV

60W Hi PoE Meet More Requirement.



New 802.3bt PoE Standard

For CCTV



802.3af/at

Last generation of PoE standard:15.4/30W

PD Item	Max Power
Non-PTZ Camera	6W
PTZ camera	15W
Dual Band Wireless AP	20W
Speed PTZ Dome Camera	50W



802.3bt

New generation of PoE standard:60W



Internal Power Adapter Design

For CCTV



Wi-Tek internal power adapter with thermovent

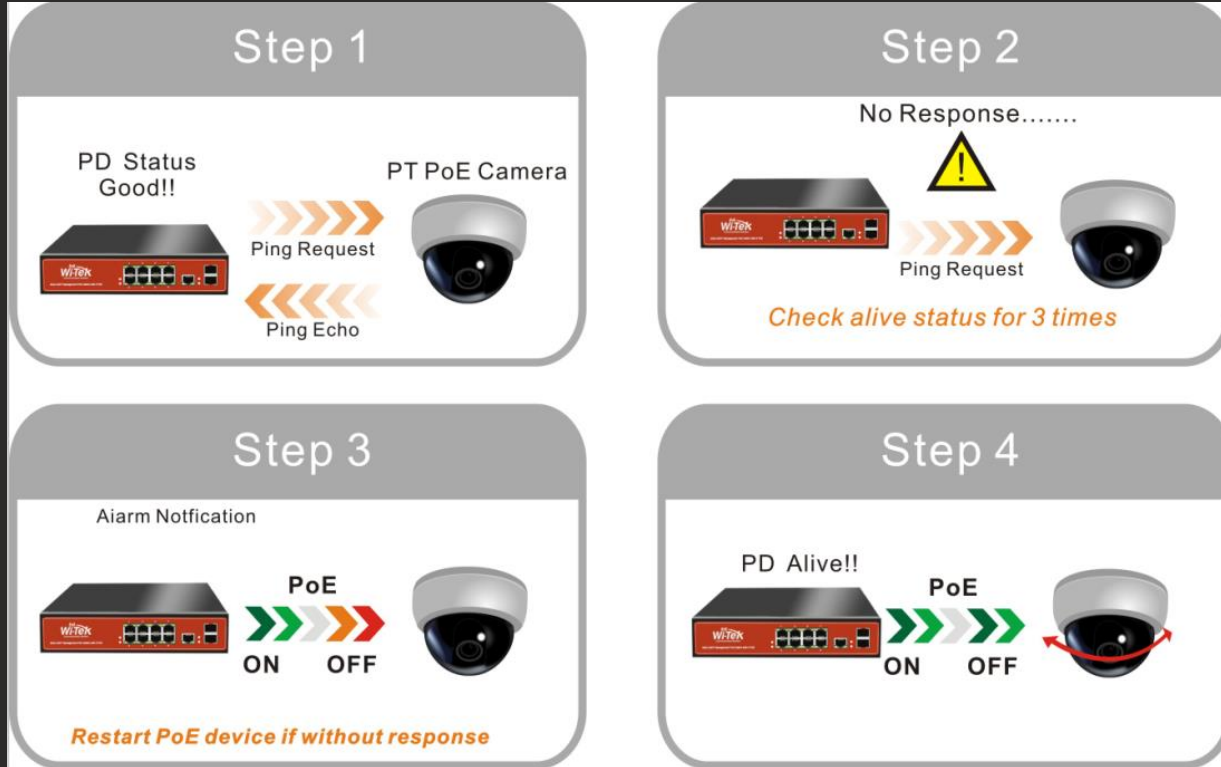


Other brand external power adapter with plastic shell, no thermovent



Watchdog

Smart PoE Watchdog --Detect IP camera system halted then restart PoE automatic ,Plug and Play



For CCTV

What do we connect?

802.3af/at



99% IP Phones with PoE



Different IP cameras with PoE
(check PoE power)



Various WiFi access points (Accord
with the 802.3at / af standard)

For CCTV

Competitors

802.3af/at

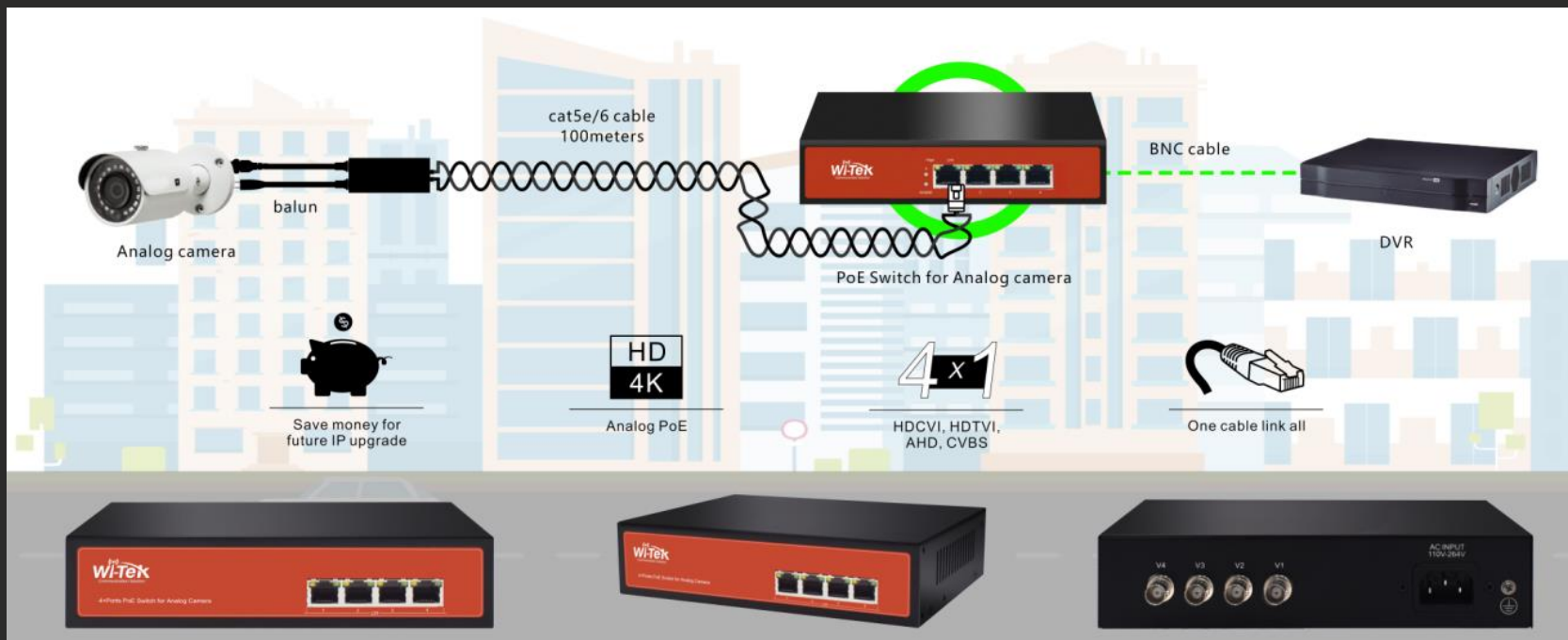


	Wi-Tek	D-Link,TP-Link	Hikvision	Dahua	Other
250m	Yes	No	Yes	No	No
VLAN	Yes	No	No	No	No
Hi-PoE	Yes	No	No	No	No
Watchdog	Yes	No	No	No	No
Price	↓	↑	↑↑	↑↑	↑

Analog

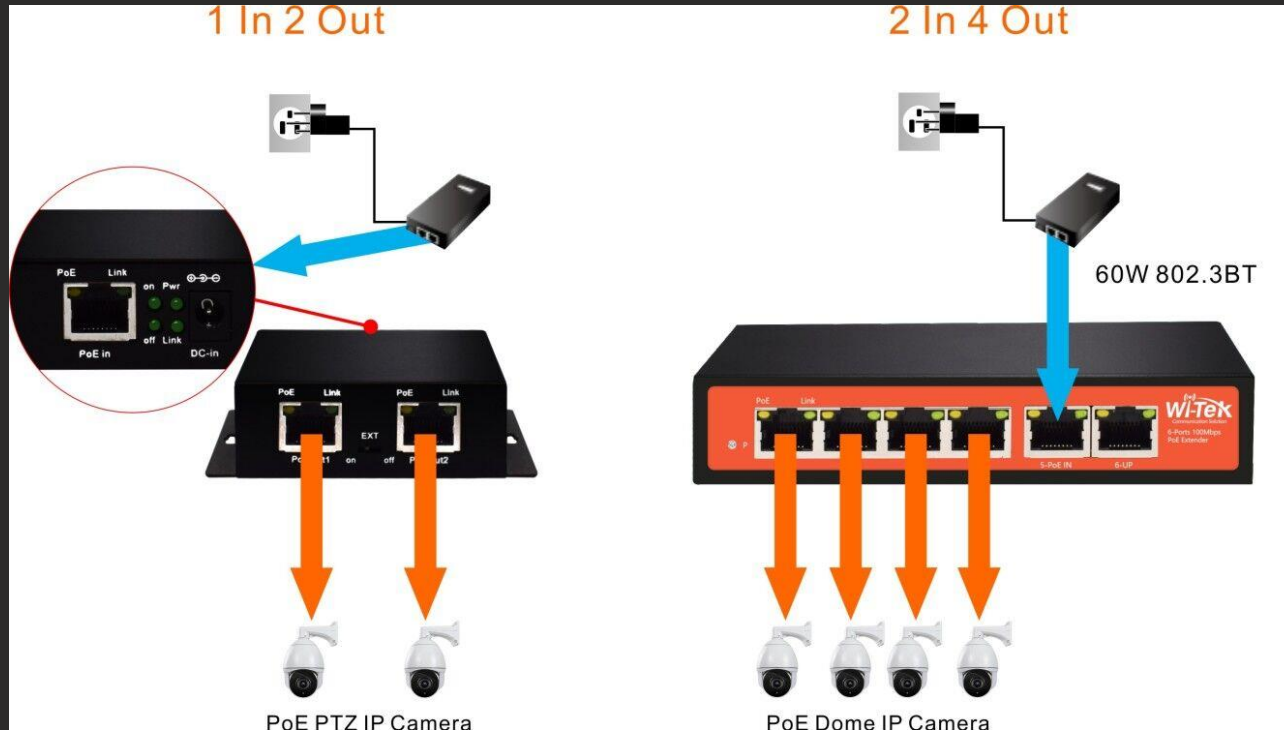
PoE Switch for Analog Camera

PoE



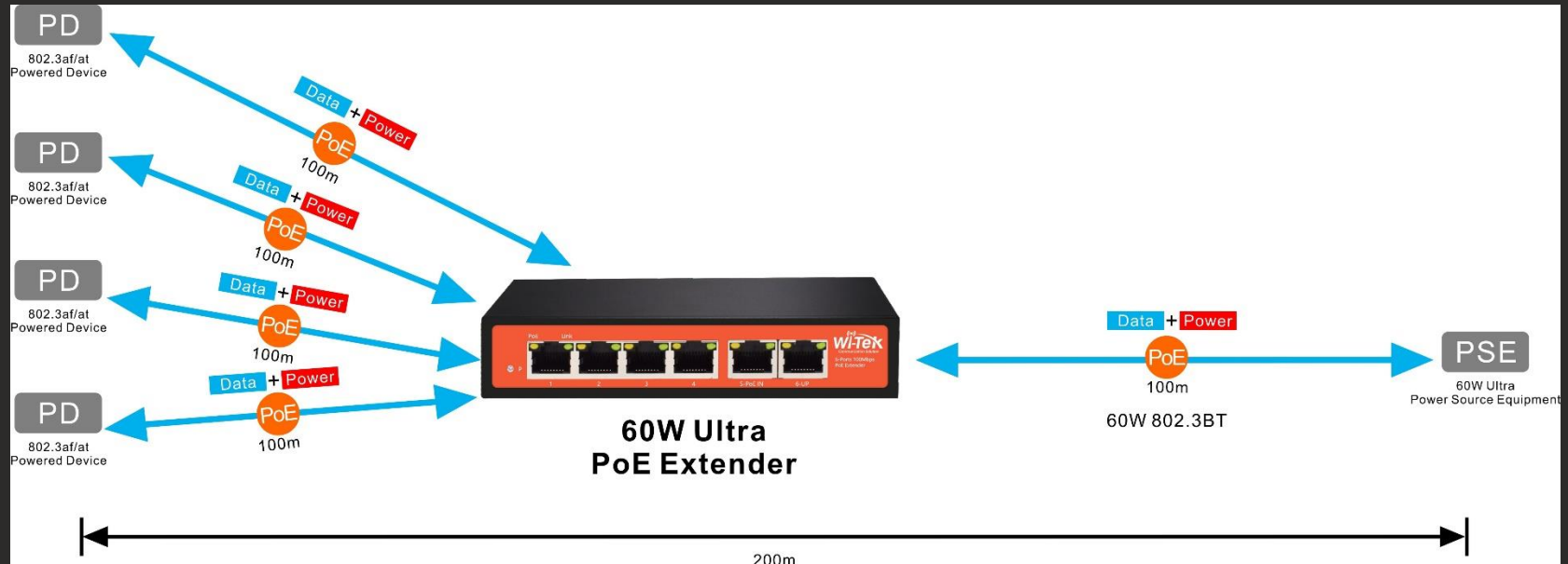
PoE Extender

PoE Extender for Long-Range PoE Transmit(550meters Max)



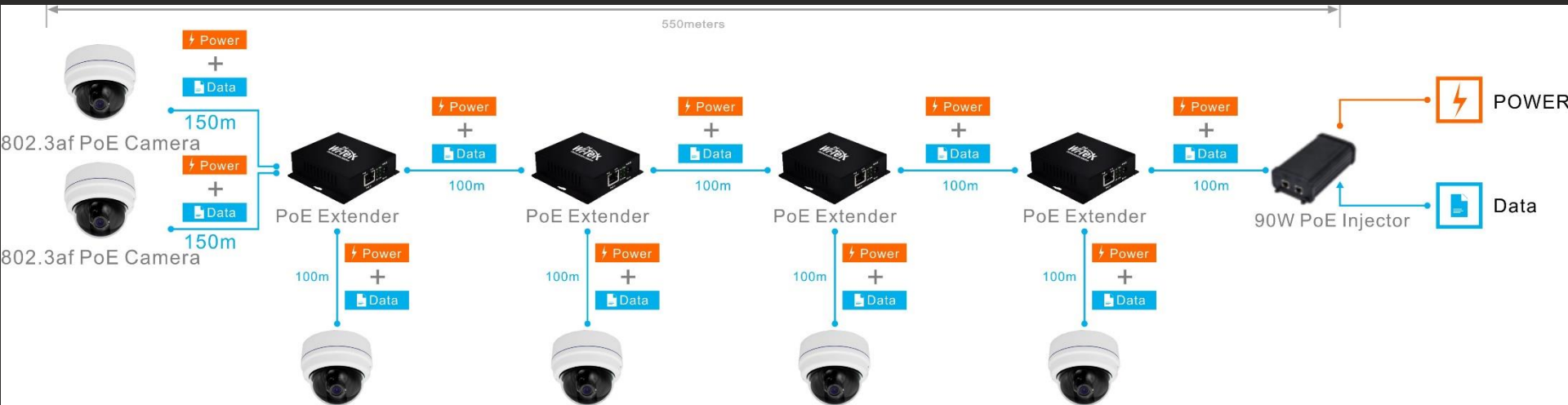
PoE Extender

PoE Extender for Long-Range PoE Transmit(550meters Max)



PoE Extender

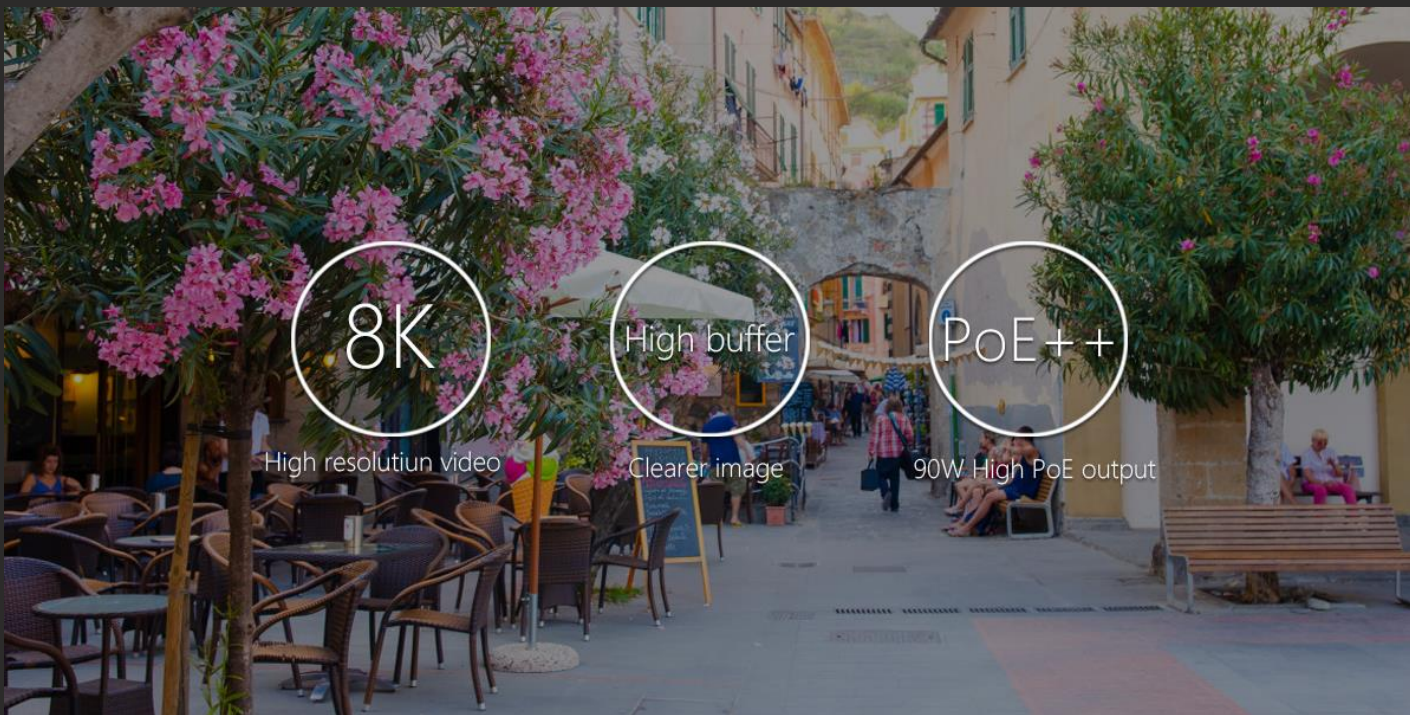
PoE Extender for Long-Range PoE Transmit(550meters Max)



Gigabit

Why need Gigabit PoE?

802.3af/at



Gigabit

L2 Managed Full Gigabit Super Hi-PoE Switch

802.3at/bt

SUPER HI-POE SWITCH

Power Supply:24V、48V||Compatibility&BT

Power:800W

Bandwidth:128G

Single Port:90W

[24GE-4GE Combo SFP L2]



24V Output devices
48V Output devices

60W/90W Outdoor
Large Dome Camera/AP

Gigabit

What do we connect?

802.3at/af

Video IP-
Phone



Computers



Computer via
phone



11AC WiFi access points (check
the 802.3at / af standard)



VCS Terminals

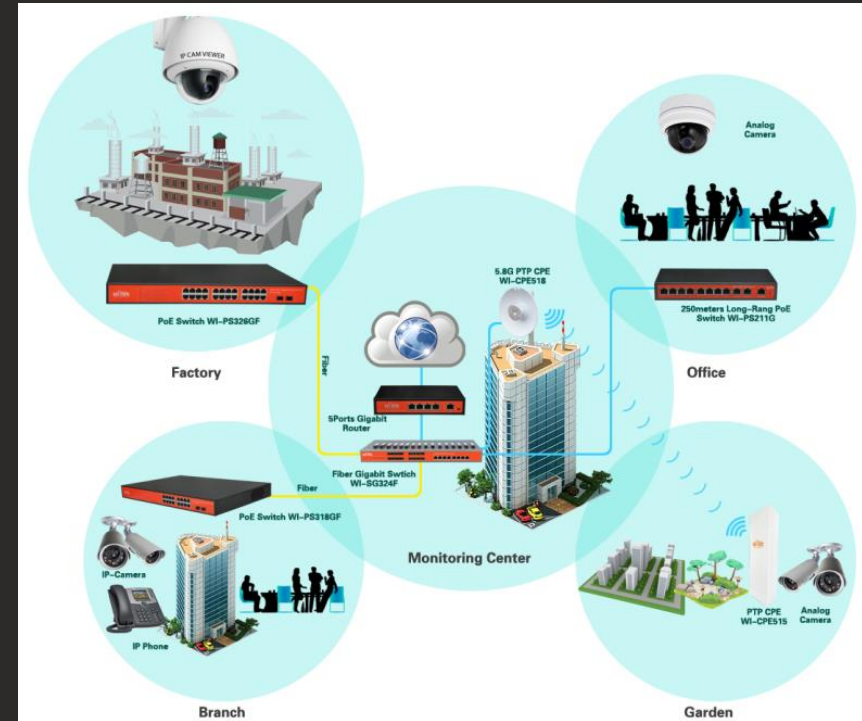
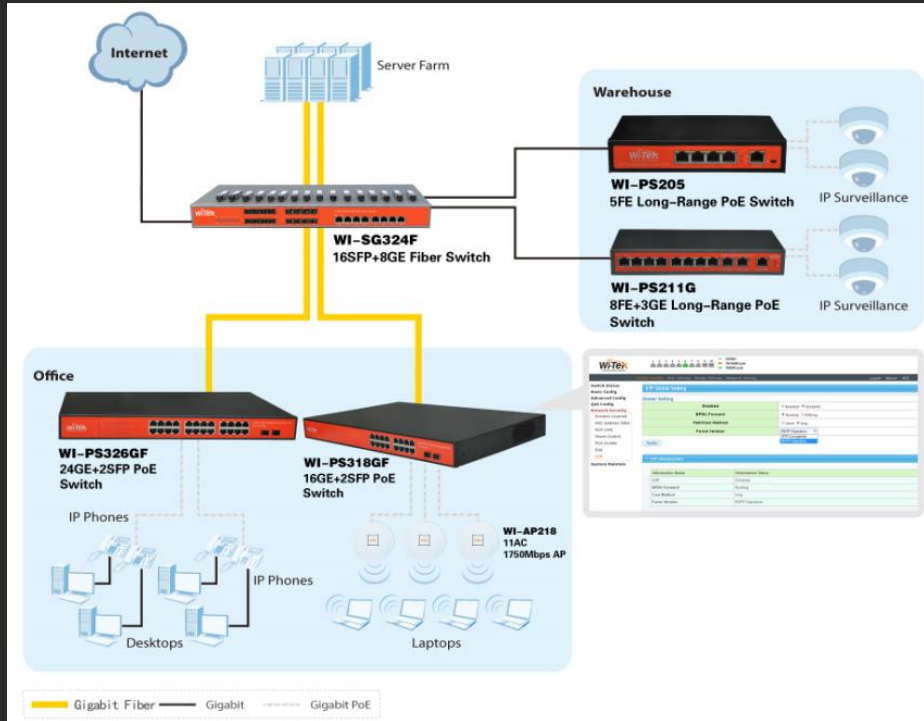


5MP-8MP(4K) IP cameras

Gigabit

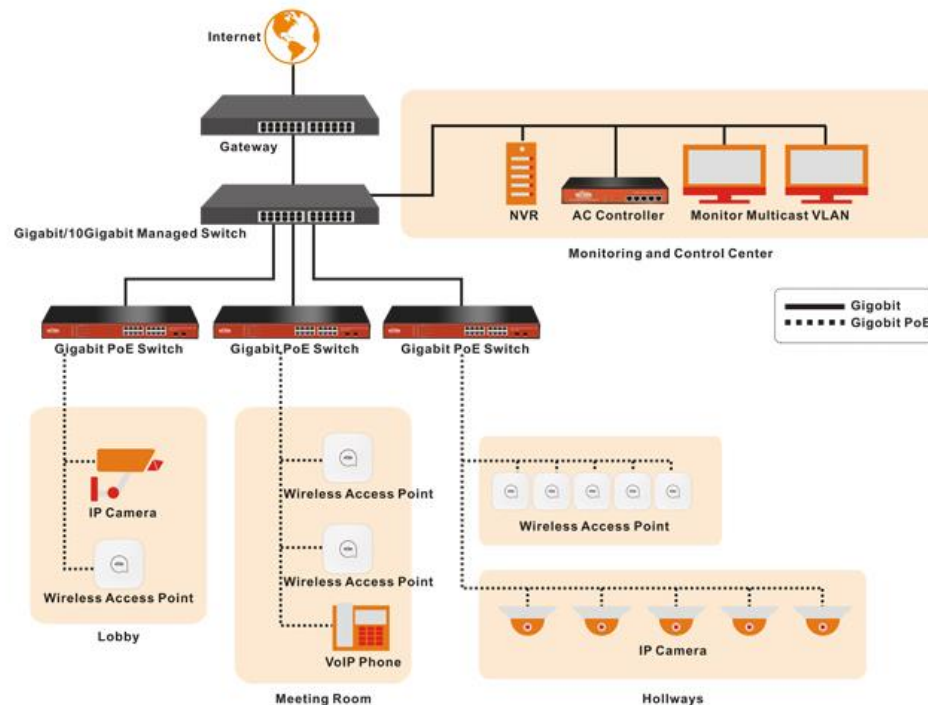
Extend your CCTV Network 20KM via Fiber and Wireless

802.3af/at



CCTV, IPTV and wireless access (hotel)

- Each room can be isolate data by setup different VLAN to provide better and safer Wi-Fi service to the guest
- The MVR function allows a single IPTV multicast VLAN to be shared with all the set-top boxes while the subscribers remain in separate data VLANs
- The total PoE power budget of up to 400 watts provides full supports to wireless APs and IP camera.
- Enabling the IGMP snooping function allows IPTV traffic to be directed to the subscribers only, which reduces the waste of bandwidth caused by multicasting IPTV traffic to all ports
- The rich QoS feature provides effective bandwidth prioritization and control to ensure various services quality and prevent bandwidth abuse



802.3af/at Gigabit PoE Switches

Gigabit

802.3af/at



802.3af/at Gigabit Managed PoE Switches

Gigabit

802.3af/at

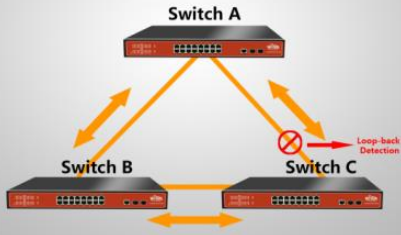


L2/L4
Managed Switch

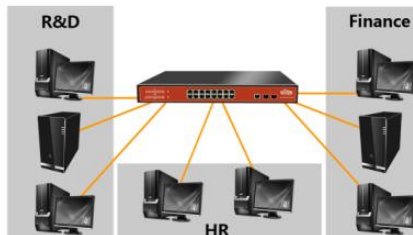


L2/L4
Managed Switch

STP Prevent Network Loop-back



VLAN Support 4K VLAN



Link Aggregation Double Uplink Bandwidth



Rich management WEB, CLI



41%

Gigabit

Manage PoE as you required

802.3af/at

Intelligent Powered Device Alive Check

Step 1



Step 2



Step 3

Alarm Notification



Restart PoE device if without response

Step 4



PoE Schedule for Energy Saving



Total Consumption of 36 watts hr











Save 24 watts/hr during off-business hours
=total Saved=10800 Watts/month

802.3af/at Gigabit PoE Switches

Gigabit

802.3af/at

							
WI-PS305G	WI-PS308G	WI-PS309GF	WI-PS310GF	WI-PS318GF	WI-PS320GF	WI-PS326GF	W-PS328GF
Ports							
5GE	8GE+2GE	8GE+1Combo	8GE+2SFP	16GE+2SFP	16GE+2Combo	24GE+2SFP	24GE+4Combo
PoE Ports							
4	8	8	8	16	16	24	24
PoE Budget							
65W	120W	150W	150W	350W	350W	350W	400W
PortVLAN							
Yes		Yes	Yes	Yes	Yes	Yes	

Gigabit

Competitors

802.3af/at

Unmanaged



	Wi-Tek	D-Link	TP-Link	Other
VLAN	Yes	No	No	No
Ports	↑	↓	↓	↓
Power	↑	↓	↓	↓
Price	↓	↑	↓	↑

Managed



	Wi-Tek	CISCO	D-Link	TP-Link	Other
L2	≡	↑	≡	↓↓	↓↓
Power	↑	↑	↓	↓	↓
Price	↓	↑↑	↑	↓	↑

802.3af/at Gigabit PoE Switches

Gigabit

802.3af/at



1000 Mbps

Unmanaged

- ✓ Standard PoE 802.3 af / at
- ✓ PoE power up to 30W of per port
- ✓ Port VLAN
- ✓ Model with Internal power adapter
- ✓ Budget price category



WI-PS305G

WI-PS308G

WI-PS310GF

Managed

L2

1000 Mbps

- ✓ Standard PoE 802.3 af/ at
- ✓ PoE power up to 30W of per port
- ✓ WEB / CLI / SNMP management
- ✓ Functional L2 - VLAN, QoS, IGMP Snooping, STP/RSTP/MSTP, ACL, Security
- ✓ Model with Internal power adapter
- ✓ Budget price category



WI-PMS310GF

WI-PMS318GF

WI-PMS326GF

Gigabit

Unmanaged Gigabit Ethernet PoE Switches

802.3af/at



	WI-PS305G	WI-PS308G	WI-PS310GF
Ports	5GE	8GE+2GE	8GE + 2SFP
PoE Ports	4x1000Mbps	8x1000Mbps	8x1000Mbps
PoE Standard	802.3af/at	802.3af/at	802.3af/at
PoE Power	65 W	120W	150W
PoE PIN	1236/4578	1236/4578	1236/4578
Port VLAN	Yes		Yes
MAC Adress Table	2K	8K	8K
Input Power	AC	AC	AC

1000M

Managed L2 Gigabit Ethernet PoE switches

802.3af/at



	WI-PMS310GF	WI-PMS318GF	WI-PMS326GF
Ports	8GE + 2SFP	16GE + 2SFP	24GE + 2SFP
PoE Ports	8x1000Мбит/с	16x1000Мбит/с	24x1000Мбит/с
PoE Standard	802.3af/at	802.3af/at	802.3af/at
PoE Budget	150W	350W	400W
PoE PIN	1236/4578	1236/4578	1236/4578
MAC Address Table	8K	16K	16K
L2 Functional	Yes	Yes	Yes
Advanced Features	QoS, IGMP, QVLAN, SNMP, RSTP, manageable PoE		
Power	AC	AC	AC

Gigabit

Case of installations

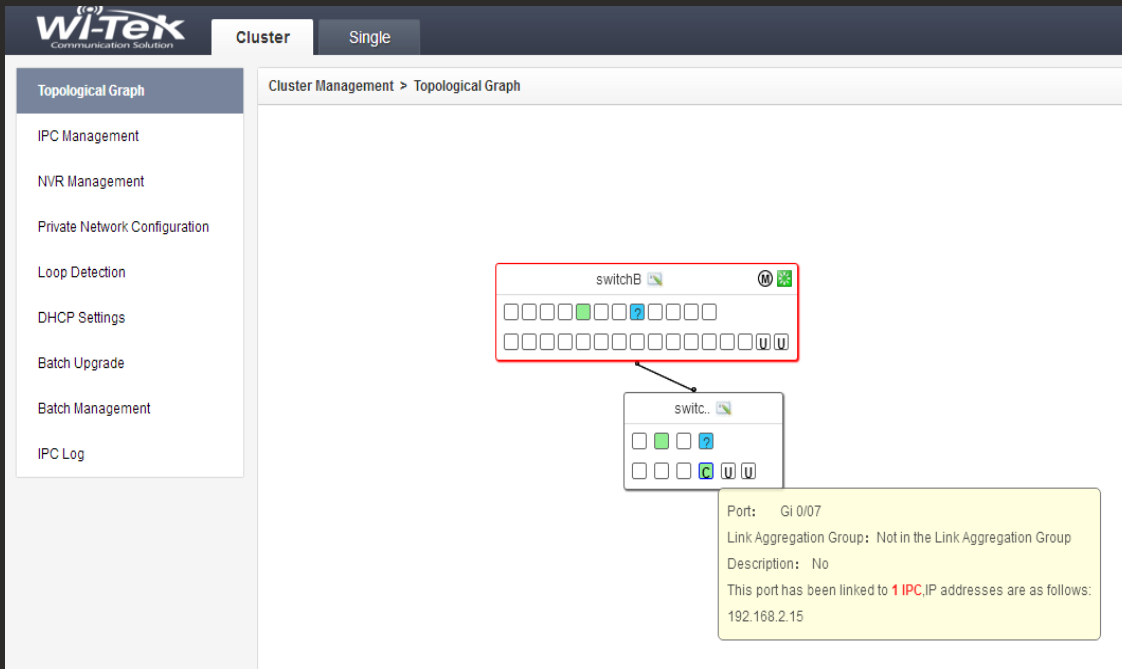
802.3af/at



Onivf PoE

IP-Surveillance Onivf Smart PoE Switch(Come in Feb 2020)

For CCTV



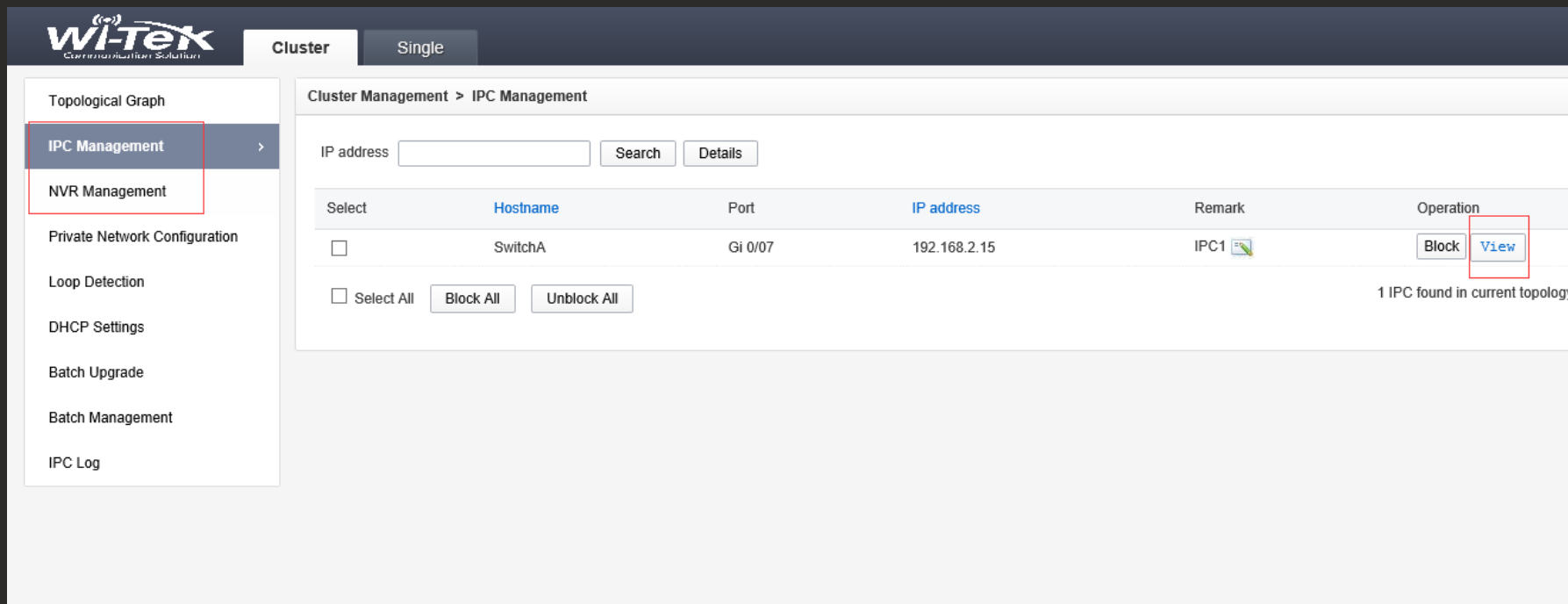
The screenshot displays the Wi-Tek management interface. The top navigation bar includes 'Cluster' and 'Single' tabs. The left sidebar lists various management functions: Topological Graph, IPC Management, NVR Management, Private Network Configuration, Loop Detection, DHCP Settings, Batch Upgrade, Batch Management, and IPC Log. The main content area is titled 'Cluster Management > Topological Graph' and shows a network diagram with two switches, 'switchB' and 'switch.'. A red box highlights 'switchB', and a yellow tooltip provides details for its port Gi 0/07, stating it is not in a Link Aggregation Group and is linked to 1 IP address: 192.168.2.15.

- Visualized topology view with smart IP surveillance management
- Seamless integration with switches and all brand IP-cameras
- Trouble shooting and cable diagnostics
- PoE on/off remote control
- Discovery ONVIF supported IP cameras

Onivf PoE

IP-Surveillance Onivf Smart PoE Switch(Come in Feb 2020)


For CCTV



The screenshot displays the Wi-Tek web interface for managing IP cameras (IPC). The left sidebar contains a navigation menu with the following items: Topological Graph, IPC Management (highlighted with a red box), NVR Management, Private Network Configuration, Loop Detection, DHCP Settings, Batch Upgrade, Batch Management, and IPC Log. The main content area is titled "Cluster Management > IPC Management" and features a search bar for IP addresses and a "Details" button. Below this is a table with the following columns: Select, Hostname, Port, IP address, Remark, and Operation. The table contains one entry for "SwitchA" on port "Gi 0/07" with IP address "192.168.2.15" and remark "IPC1". The "Operation" column for this entry has "Block" and "View" (highlighted with a red box) buttons. At the bottom of the table, there are "Select All", "Block All", and "Unblock All" buttons, and a status message: "1 IPC found in current topology".

Cluster Management > IPC Management

IP address Search Details

Select	Hostname	Port	IP address	Remark	Operation
<input type="checkbox"/>	SwitchA	Gi 0/07	192.168.2.15	IPC1 	Block View

Select All Block All Unblock All

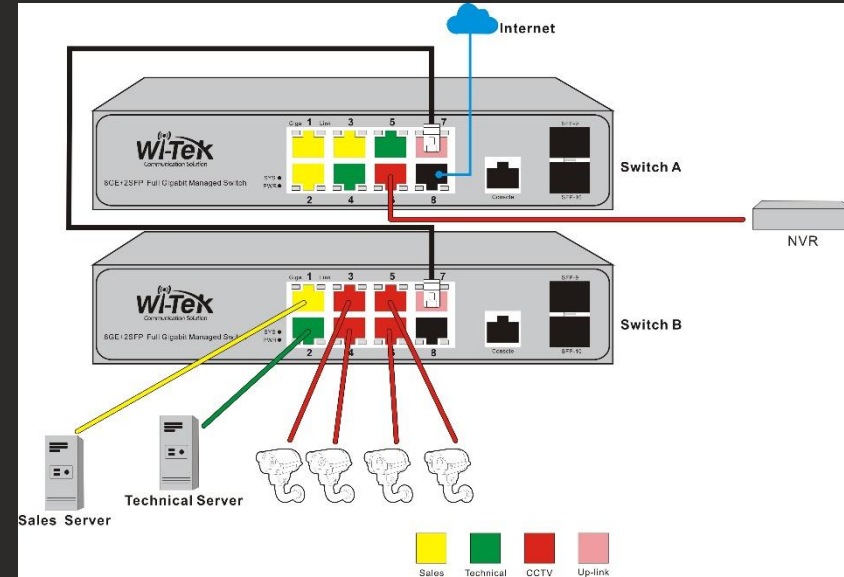
1 IPC found in current topology

Onivf PoE

quickly build private network for CCTV video isolation

For CCTV

The screenshot shows the 'Private Network Configuration' page in the Wi-Tek web interface. On the left is a navigation menu with options like 'Topological Graph', 'IPC Management', 'NVR Management', and 'Private Network Configuration'. The main area shows configuration options for two switches, Switch A and Switch B, including buttons for 'Configure private network2' through 'Configure private network8' and 'Configure the super port'. A legend at the bottom identifies port types: Linkup (green), S Super Port, U Uplink Port, N NVR Port, and C IPC Port.



Onivf PoE

Batch management for Onivf smart switch cluster

For CCTV

Cluster

Single

Topological Graph

IPC Management

NVR Management

Private Network Configuration

Loop Detection

DHCP Settings

Batch Upgrade

Batch Management >

IPC Log

Cluster Management > Batch Management

<input type="checkbox"/>	Hostname	MAC Address	IPC-NVR Identification Port	Versions	Time Settings	Current Time	Running Time
<input type="checkbox"/>	SwitchA	08:10:7A:18:B8:EC	8000	V1.15.7.2015.04.07 16:11	Manually Set	2013年8月19日 23:34:30	0 day 0 hour 34 minute
<input type="checkbox"/>	SwitchB	08:10:79:5D:BA:52	8000	V1.15.7.2015.04.07 15:51	Manually Set	2013年8月19日 23:23:47	0 day 0 hour 23 minute

Quick Operation

Set Time

IPC-NVR Identification



Save

Once you save the settings, it keeps taking effect even after reboot the switch.

Save



Reset

Once you reset the switch, all the settings on the switch will go to factory default.

Reset



Reboot

Restart the selected switch.

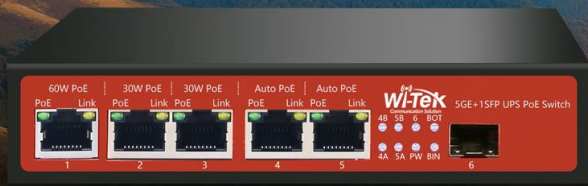
Restart all

Solar Powered UPS PoE Switch

UPS PoE

For CCTV

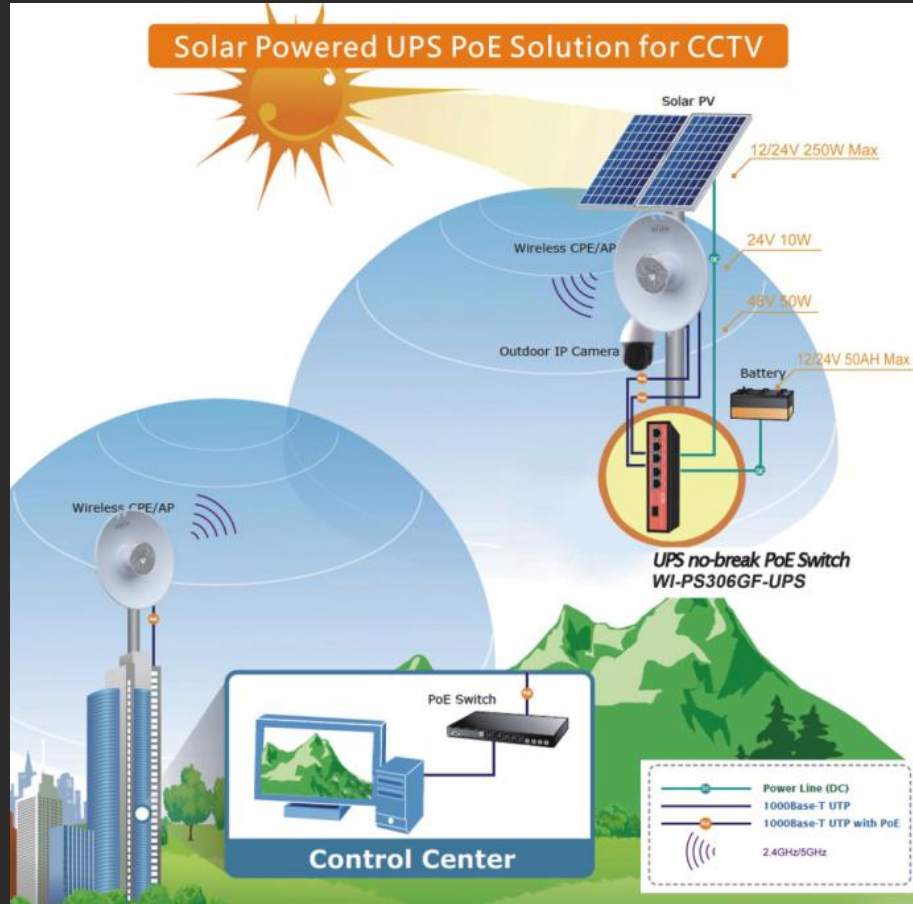
Renewable Energy, Intelligent PoE&UPS
No-break All come in one!



Solar Powered UPS PoE Switch

UPS PoE

No-break



Solar Powered UPS PoE Switch

UPS PoE

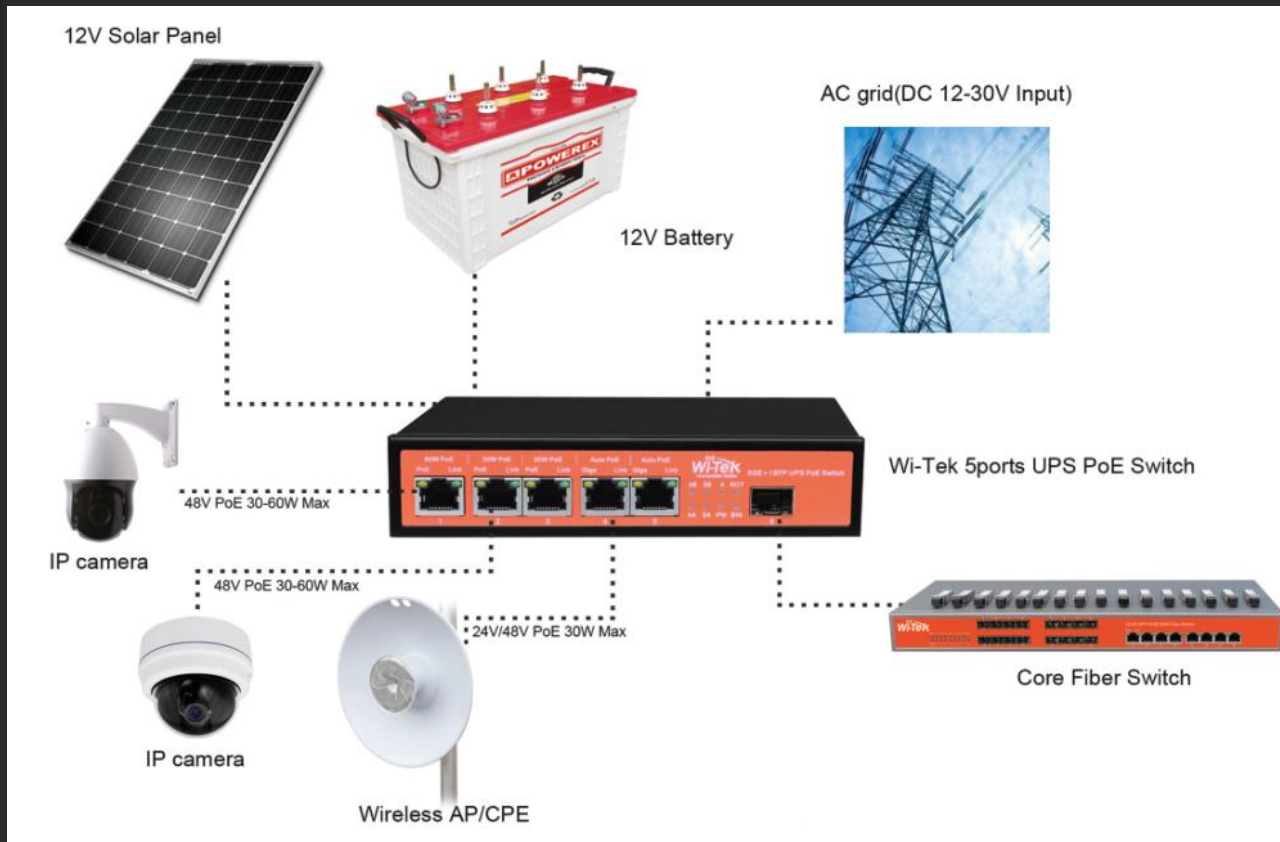
No-break



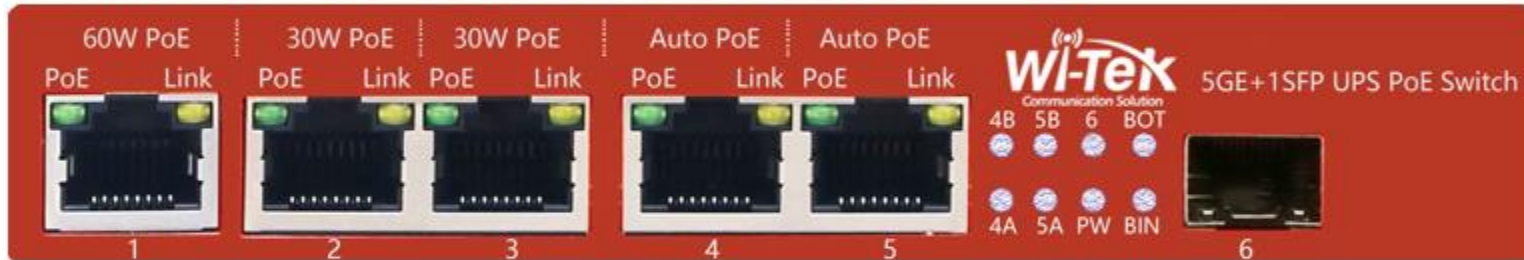
Solar Powered UPS PoE Switch

UPS PoE

No-break



- Multiple power POE port: The output power of the POE ports are different, the detailed information of interface is as below.



The port 1 can power supply for 60W PD, it is able to work with the High speed dome camera while the simple POE switch can not. POE port 4 and port 5 are Auto negotiation. They can work with both 24V and 48V PDs. So it can power supply for wireless transmitter.

UPS PoE

No-break Working system

No-break

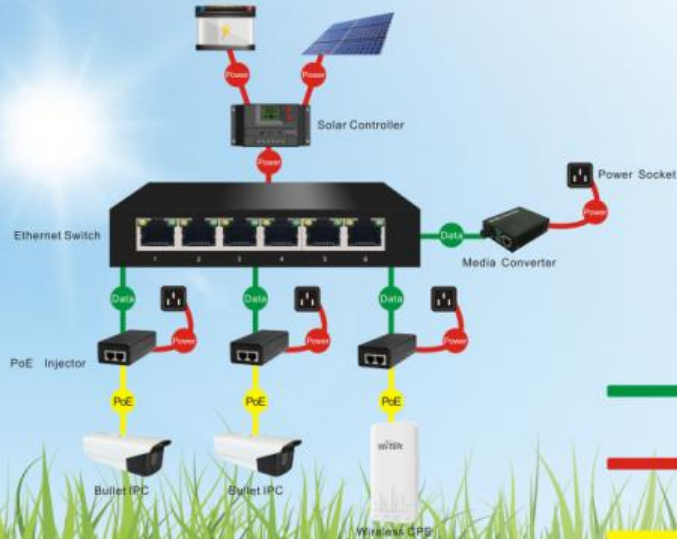


UPS PoE

Provide Simplified UPS Power system for CCTV

No-break

Simple Outdoor Network Solution



Wi-Tek Outdoor UPS PoE Solution



Data

Power

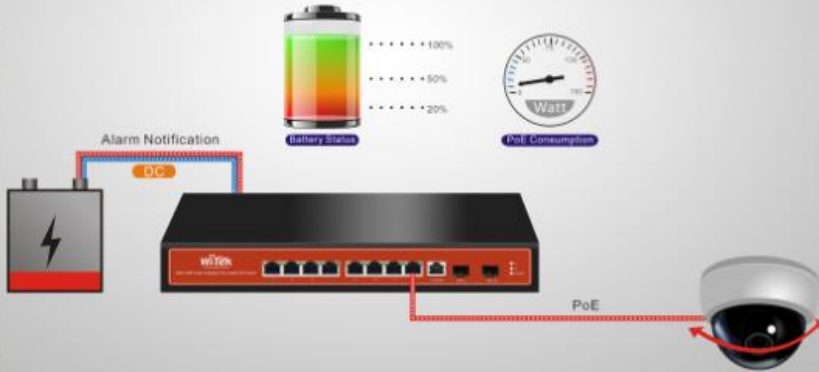
PoE

UPS PoE

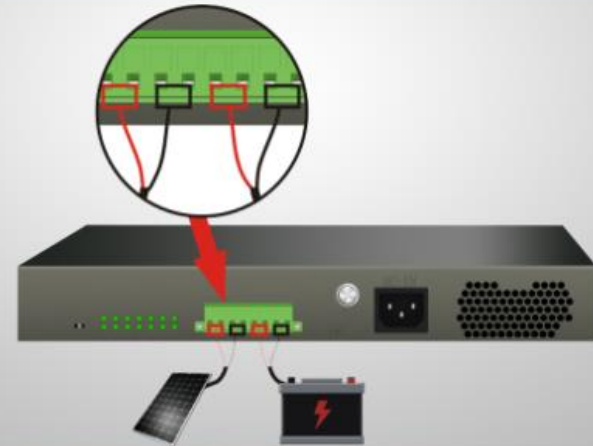
Inside solar/battery controller design

No-break

Solar/Battery Current Usage Status and Statistics



Inside solar/battery controller design



UPS PoE

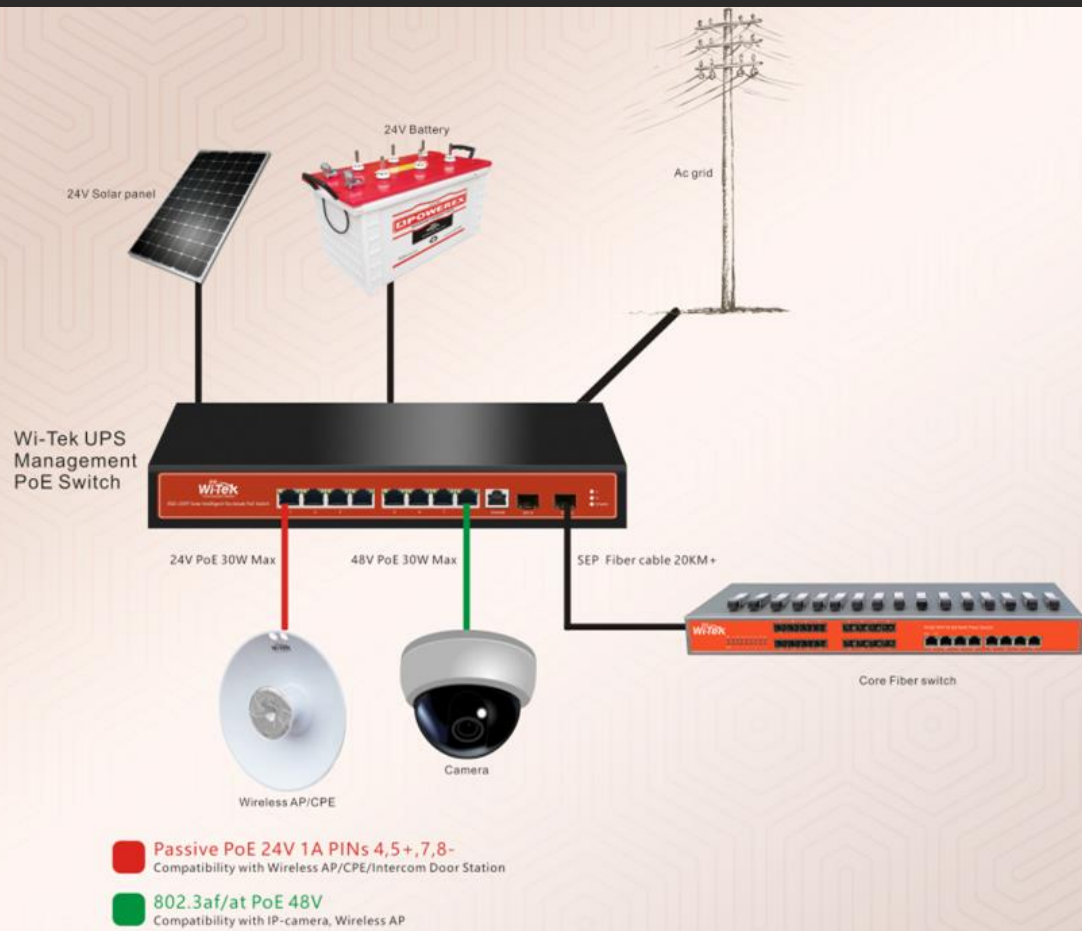
For WISP

Renewable Energy, Intelligent PoE&UPS
No-break All come in one!



UPS PoE

For WISP



UPS PoE

Solar Powered UPS PoE Switch Models



WI-PSG306GF-UPS

5GE+1SFP Unmanaged Gigabit UPS PoE Switch

- 5GE+1SFP Fiber PoE Switch with 5 PoE
- Work no break via 12V battery and 12V Solar Panel
- PoE Out: 48V 30-60W 802.3af/at PoE and 24V/30W
- Passive PoE, 4,5+ 7,8-
DC 18V-30V power supply back-up
- Design for CCTV/IP surveillance application



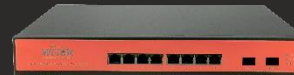
WI-PMS310GF-UPS+

8GE+2SFP Management Gigabit UPS PoE Switch

- 8GE+2SFP Fiber PoE Switch with 8 PoE
- Work no break via 24V battery and 24V Solar Panel
- PoE Out: 48V 30-60W 802.3af/at PoE and 24V/30W
- Passive PoE, 4,5+ 7,8-
L2 Managed Function
- Make back-up battery Charge and Discharge when Device working
- Design for CCTV/IP surveillance and WISP telecom application

UPS PoE

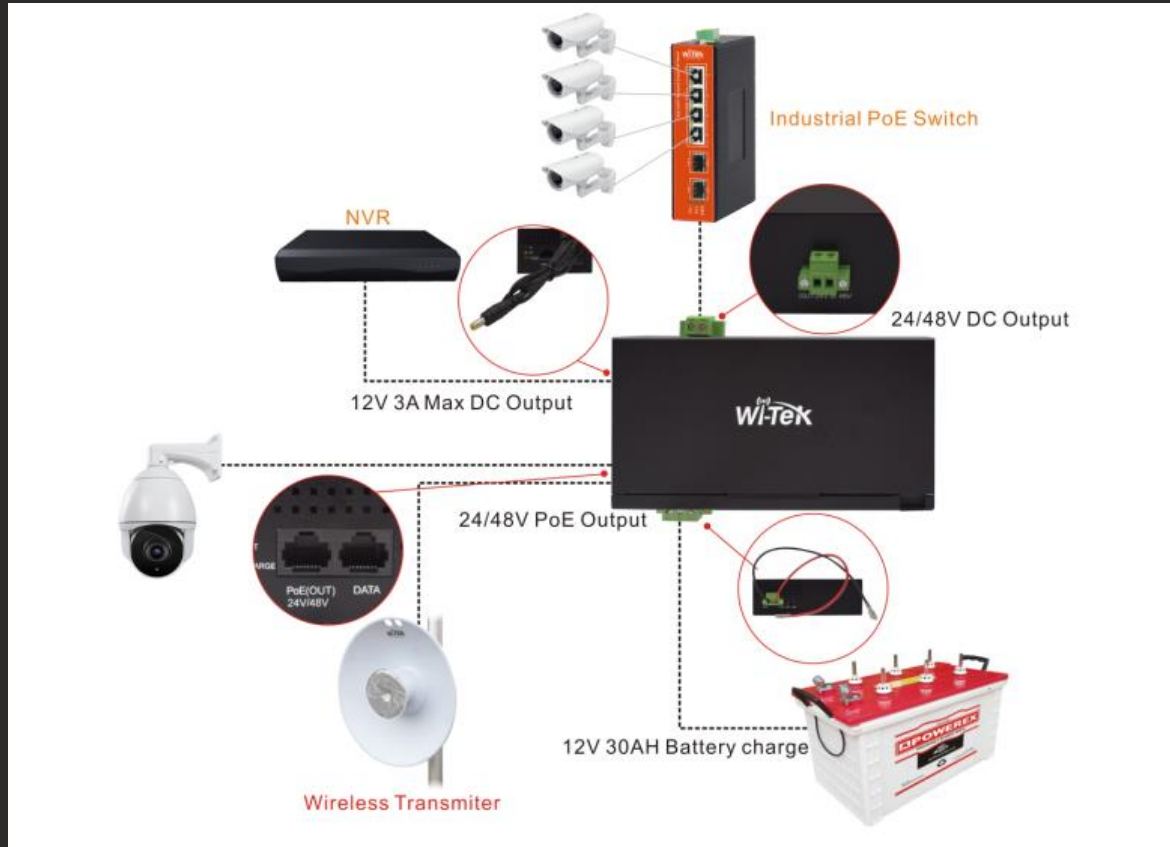
PoE switches, power and recharging from the solar panel



	WI-PS306GF-UPS	WI-PMS310GF-UPS+
Number of ports FE, POE	5	8
PoE Standard	802.3af/at, passive PoE 24V	802.3af/at, passive PoE 24V
PoE 60W Port	Yes	
Number of SFP ports	1	2
PoE Budget	120W	150W
Battery Input	12V, 5-50A	24V, 10-100A
Solar panels	12-18V 50W up	24-30V 250W up
L2-Functional		Yes
MAC Address Table	8k	16k

UPS PoE Injector for IP-Surveillance

UPS PoE



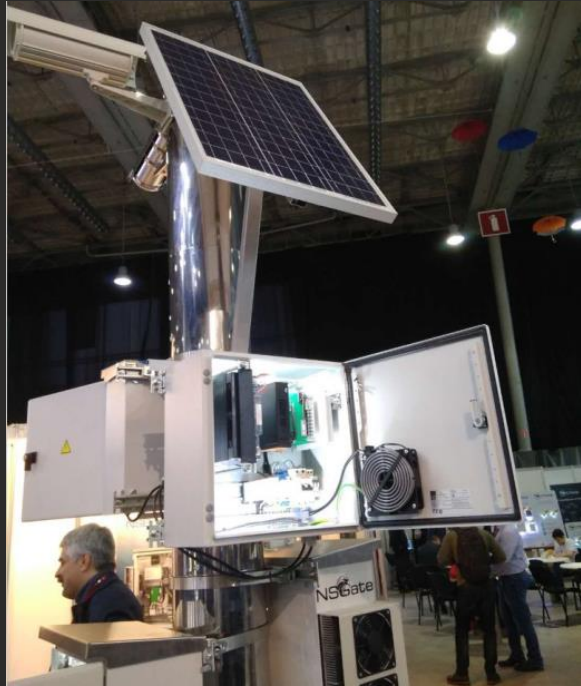
UPS PoE

Case of exhibition Promote



UPS PoE

Case of installations



UPS PoE

Case of installations



Industrial PoE

Industrial Grade PoE Switch

6 x 802.3at PoE+
2 x 802.3bt PoE++

100/1000X Fiber Optic
Up to 120km

Dependable PoE++ Plus Fiber Uplink Solution

RING
PoE++
80°C / -40°C
6KV
DIN-Rail
24V/48V PoE

The advertisement features a central image of a white industrial PoE switch with a red front panel. Green lines represent fiber optic connections from a factory setting on the left to the switch. A blue line represents a fiber optic uplink connection to a control room on the right. The control room shows a man at a computer monitor displaying various industrial scenes. The background is a snowy industrial landscape with a large pile of material and a train.

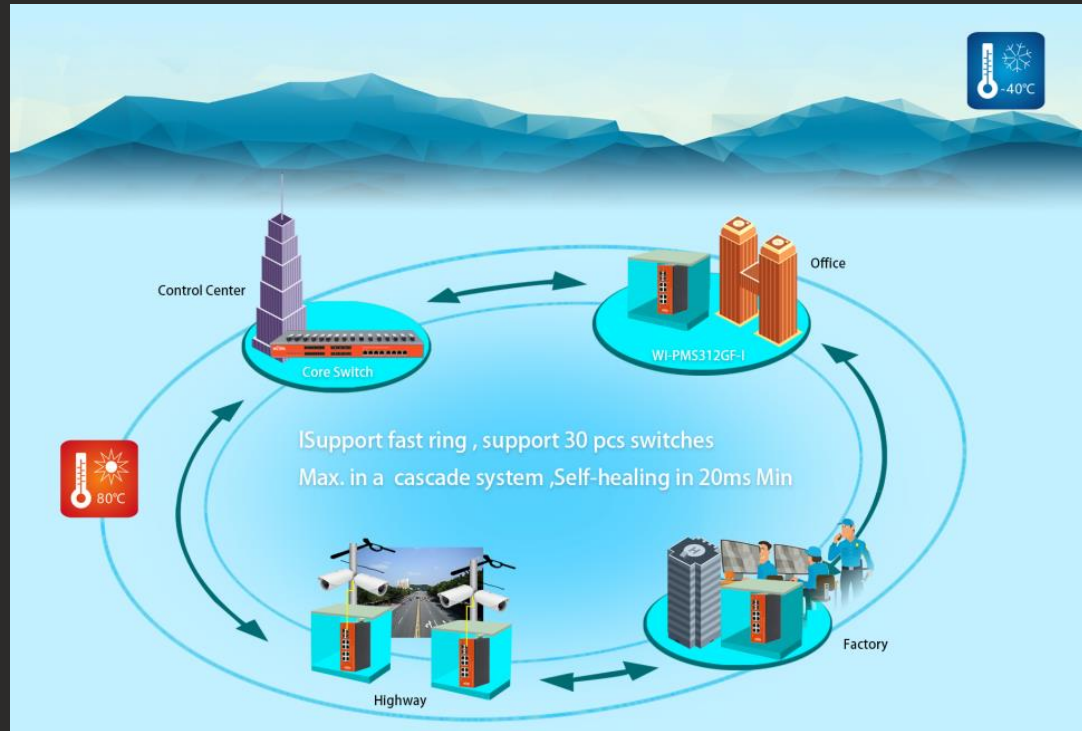
Industrial PoE

Run under temperature from -40C to +80C



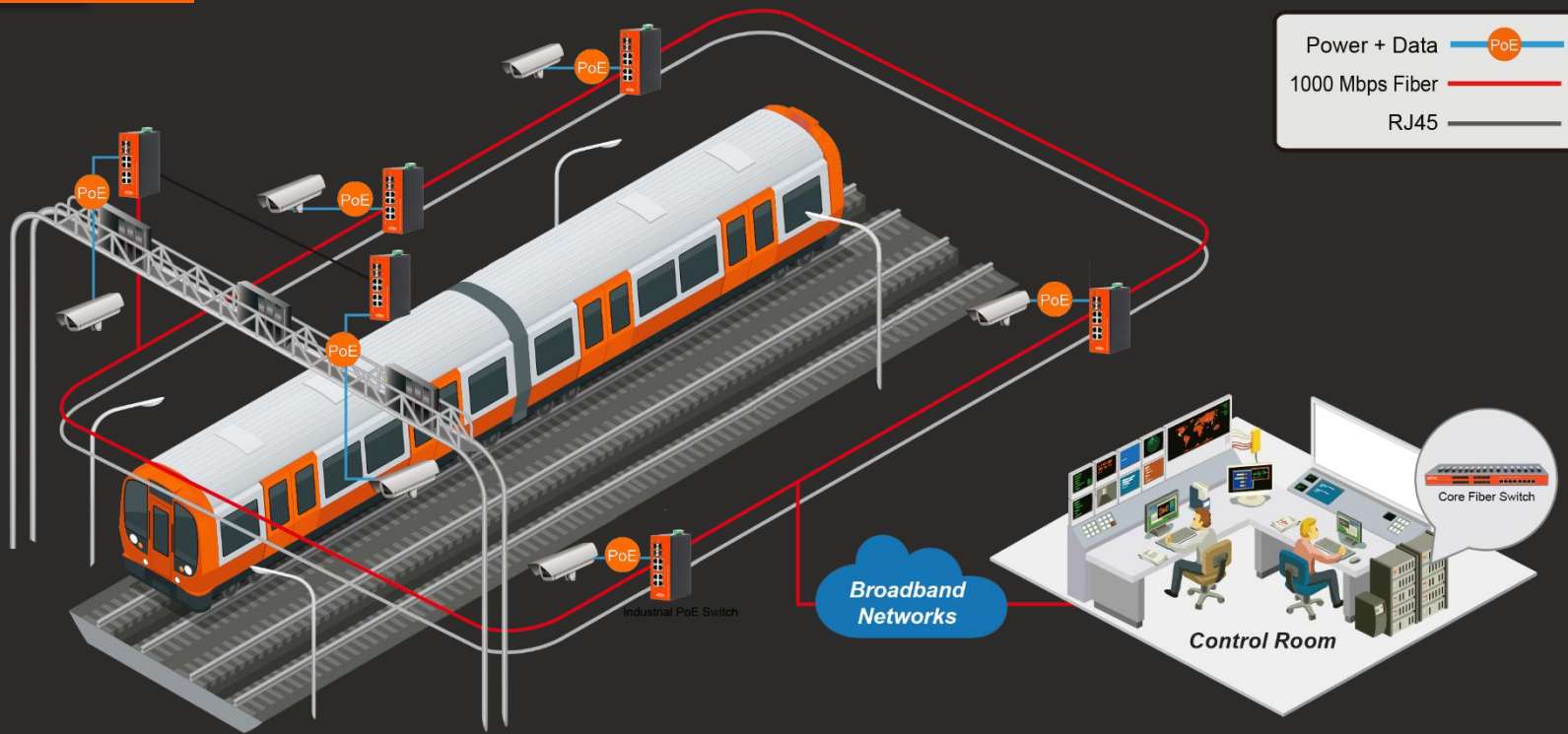
Industrial PoE

Fast ring for project requirement



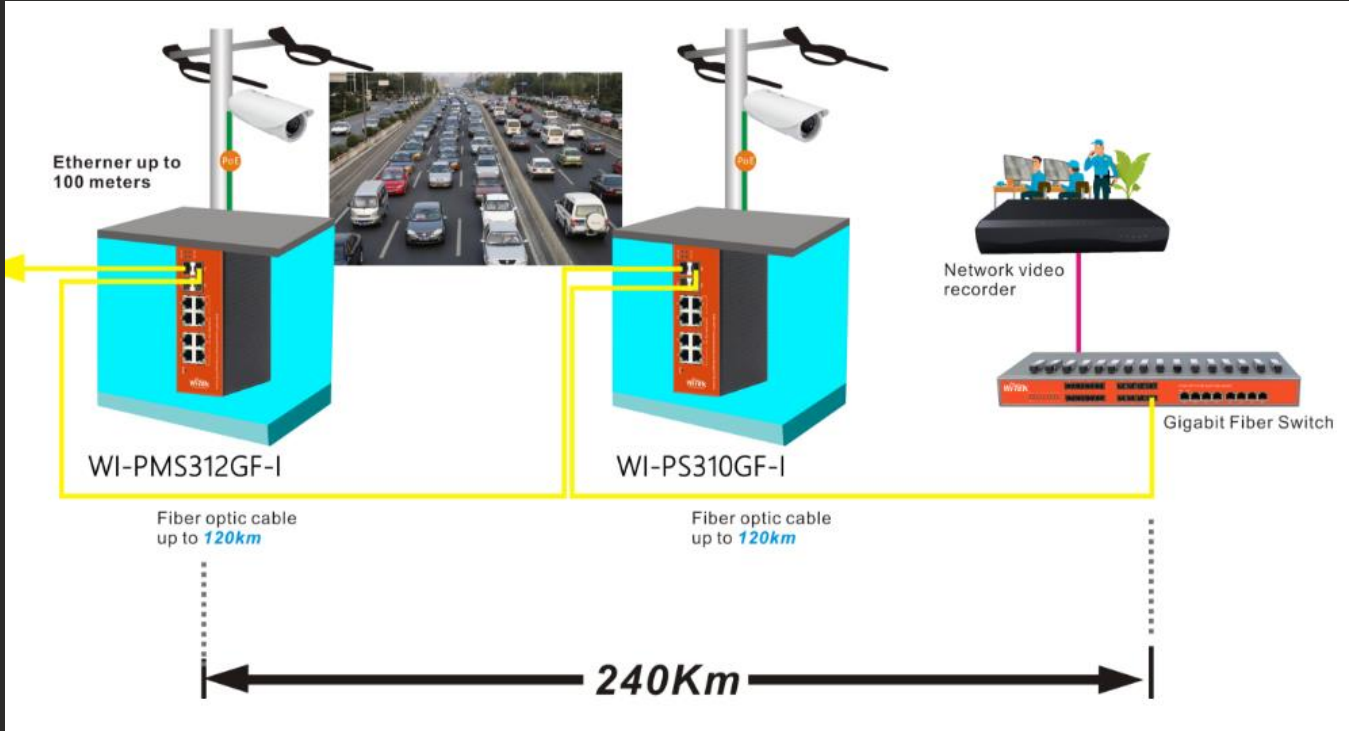
Industrial PoE

Fast ring for project requirement



Industrial PoE

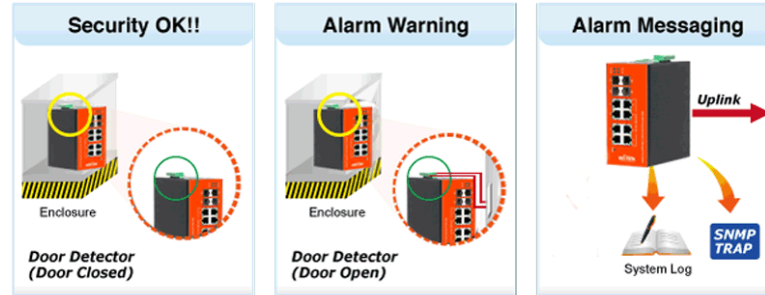
Extending Ethernet Distance



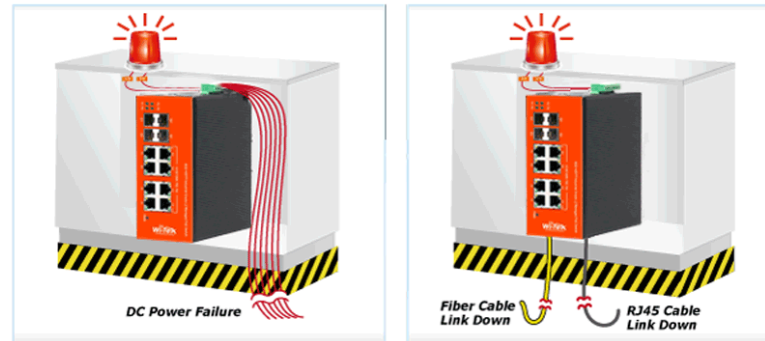
Digital Input and Digital Output for External Alarm

Industrial PoE

Digital Input



Digital Output



Industrial PoE

Make Thermostatic Control
Alarm IN/OUT connect sensor and Fan/Heater, Set
temperature range in Switch software for control)

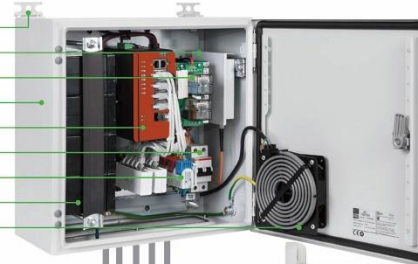
Thermostatic Control Outdoor PoE Switch

Thermostatic Control Outdoor PoE Switch



5G wireless transmit for IP-Surveillance

- ODF with adapters
- Wall mount kit
- UPS 48VDC-360VA
- IP66 Cabinet
- Industrial Switch
- Circuit breaker
- Thermostats NC/NO
- Batteries 4x7 Ah
- Fan Heater 75 W



30W

30W

24V PoE



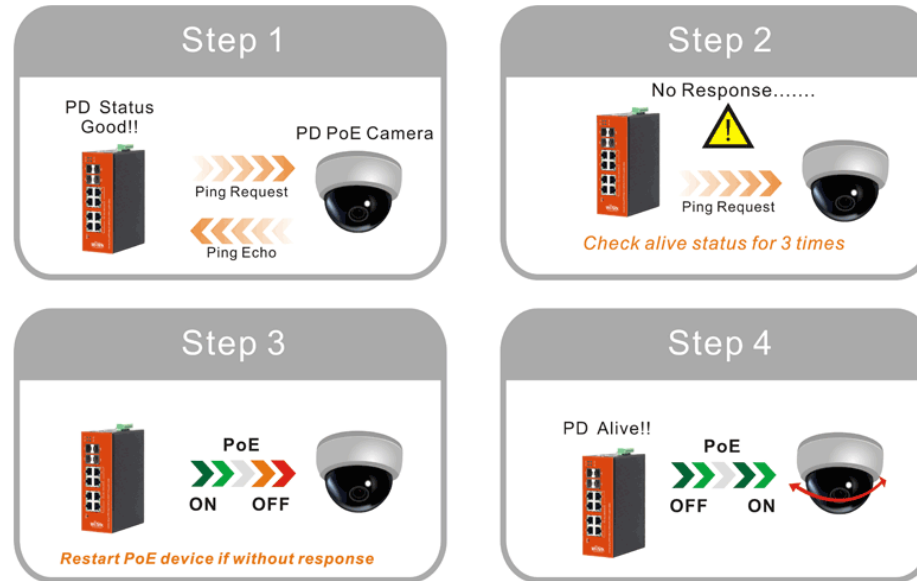
60W

60W

Auto restart IPC when IPC system halted

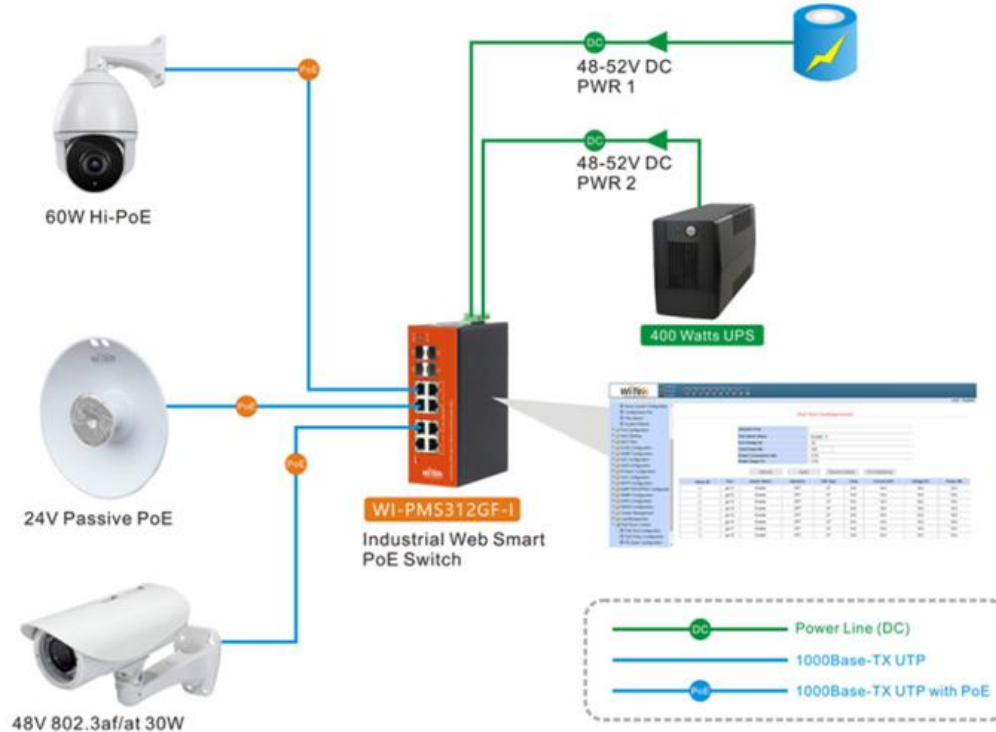
Industrial PoE

Smart PoE Watchdog Function for PD Alive Check



Industrial PoE

Support 802.3af/at 30W PoE and 802.3bt 60W PoE and 24V Passive PoE



Industrial PoE

Robust L2 Managed Function



Industrial PoE

DDM function for easy monitoring Fiber Status

Digital Diagnostic Monitor (DDM)

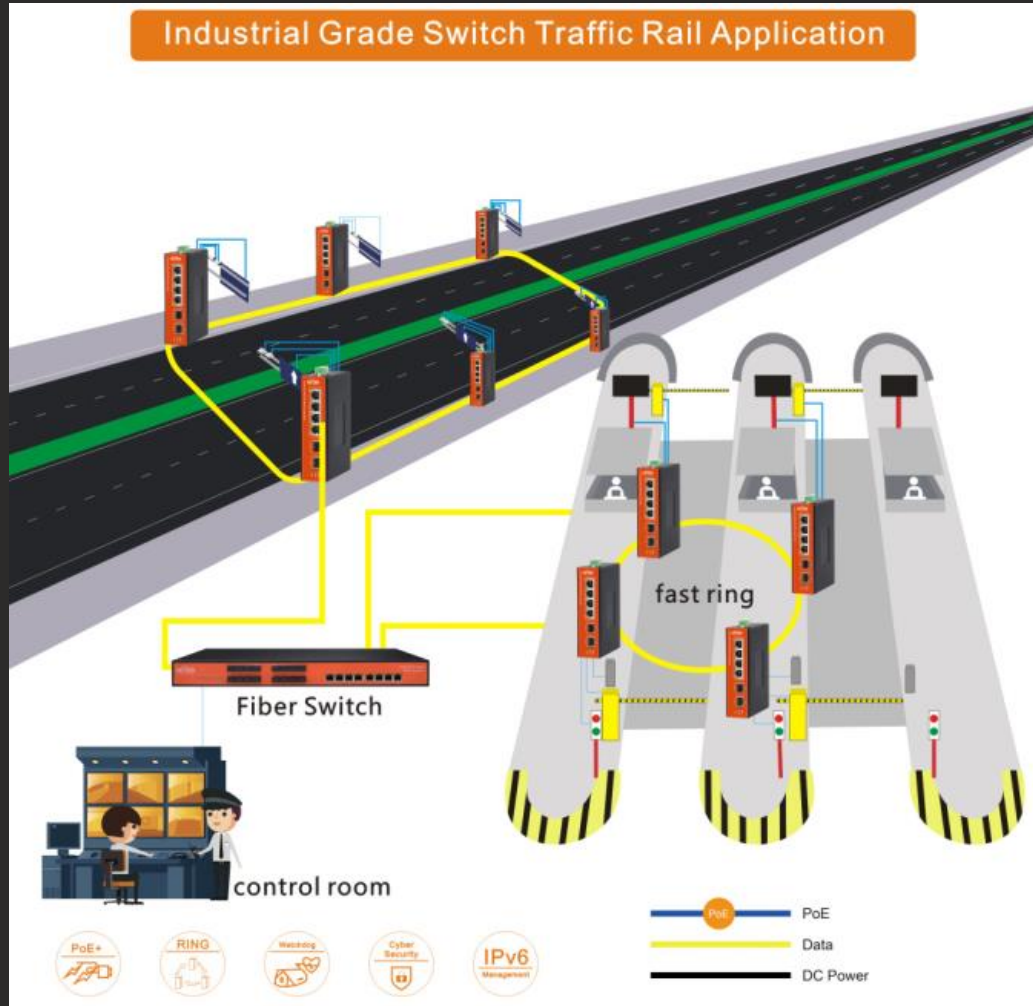


Industrial PoE

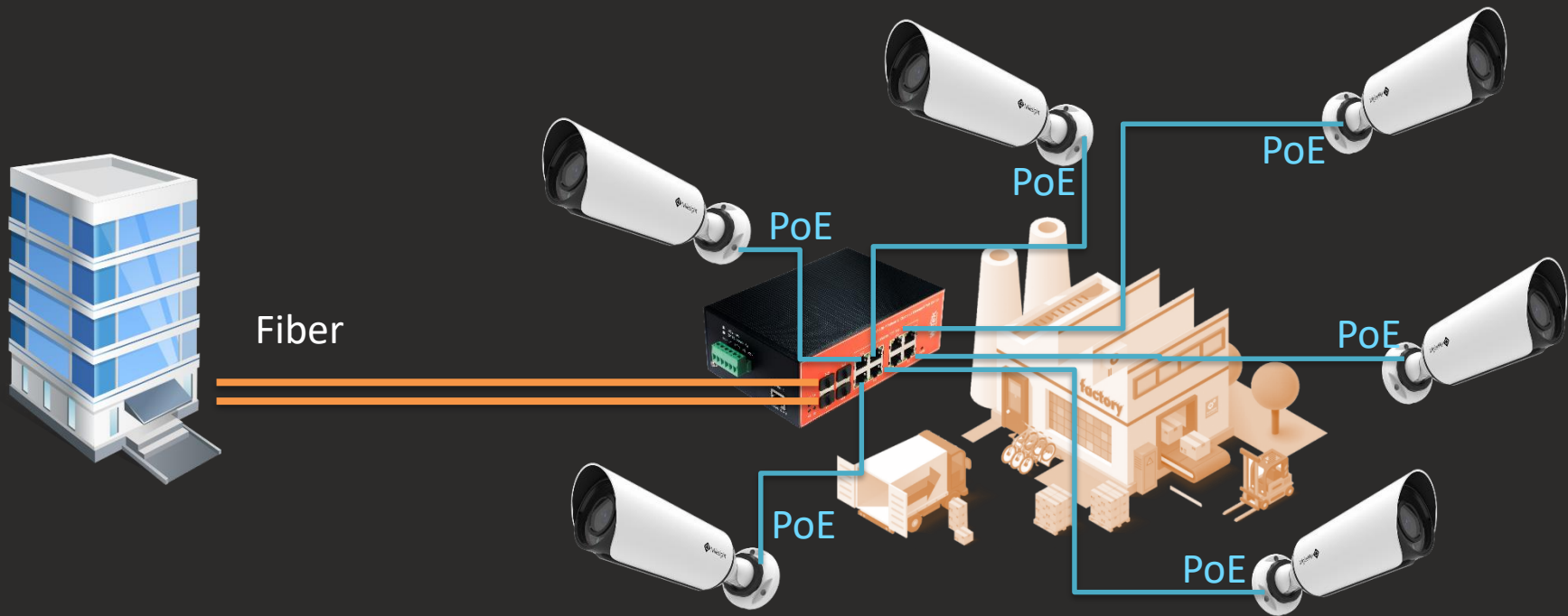
Secure Management



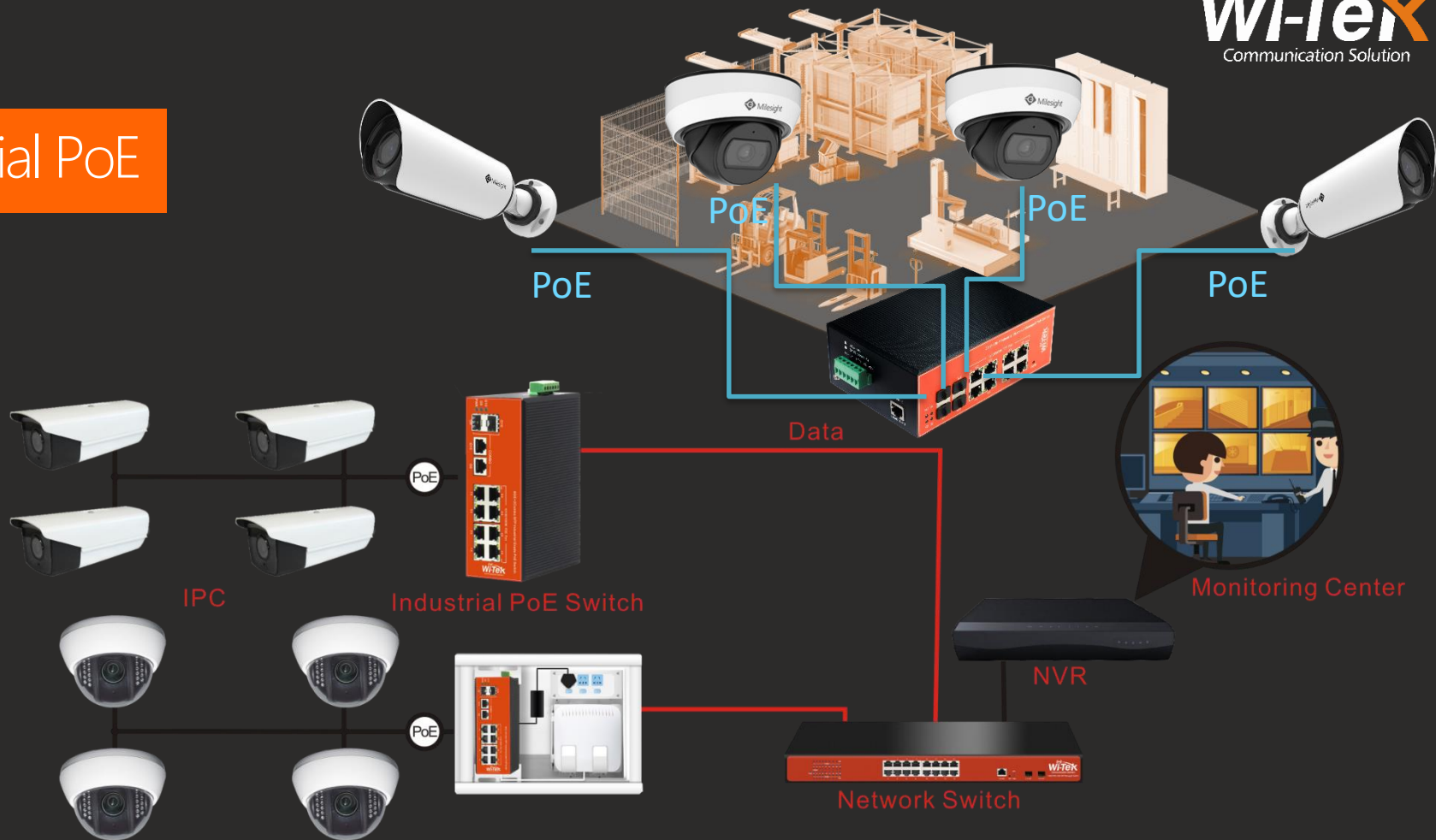
Industrial PoE



Industrial PoE






Industrial PoE



Industrial Grade PoE Switch Family

Industrial PoE

			
	WI-PS306GF-I	WI-PS310GF-I	WI-PMS312GF-I
Ports	4GE+2SFP	8GE+2Combo	8GE+4SFP
PoE Ports	4x1000Mbps	8x1000Mbps	8x1000Mbps
PoE Standard	802.3af/at	802.3af/at	802.3af/at
PoE Power	65W+	150W+	150W+
PoE PIN	1236/4578	1236/4578	1236/4578
L2 Manageable	No	No	Yes
Backbound Bandwidth	12Gbps	24Gbps	24Gbps
MAC Address Table	4K	8K	8K

Outdoor PoE Switch

Outdoor PoE



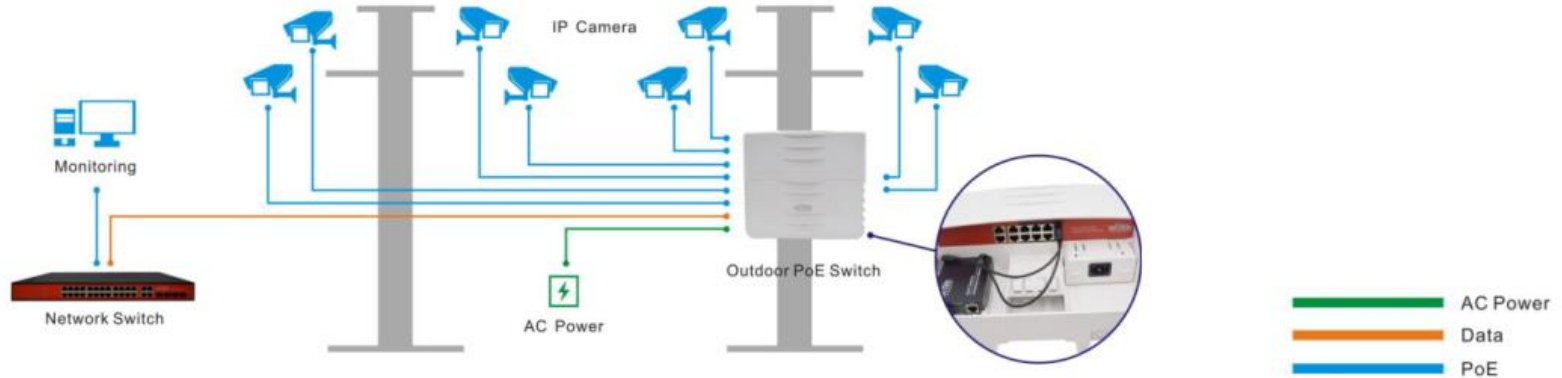
Outdoor PoE Switch

Outdoor PoE



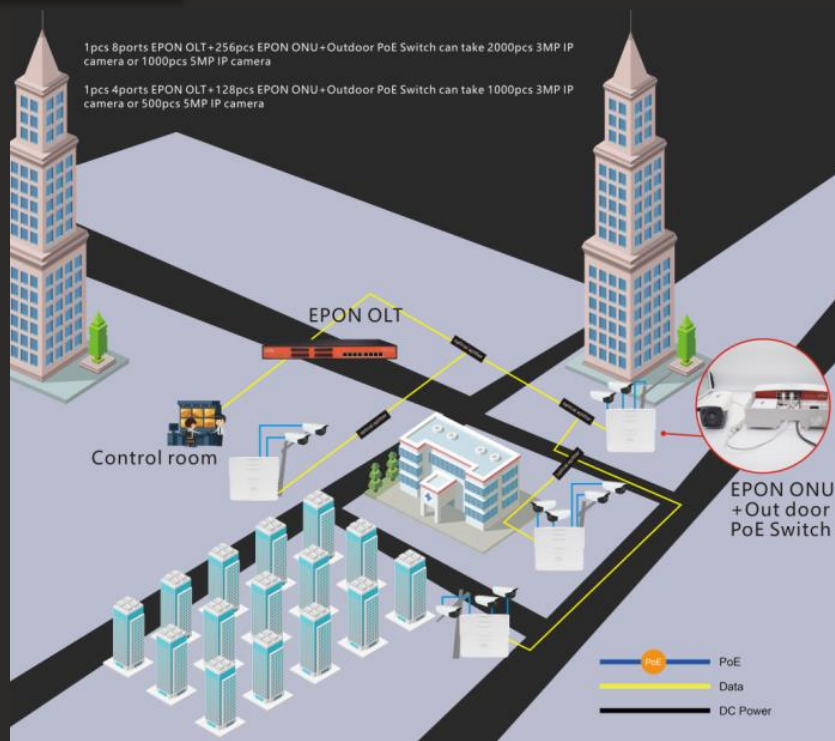
Outdoor PoE

Save UTP cable for outdoor deployment



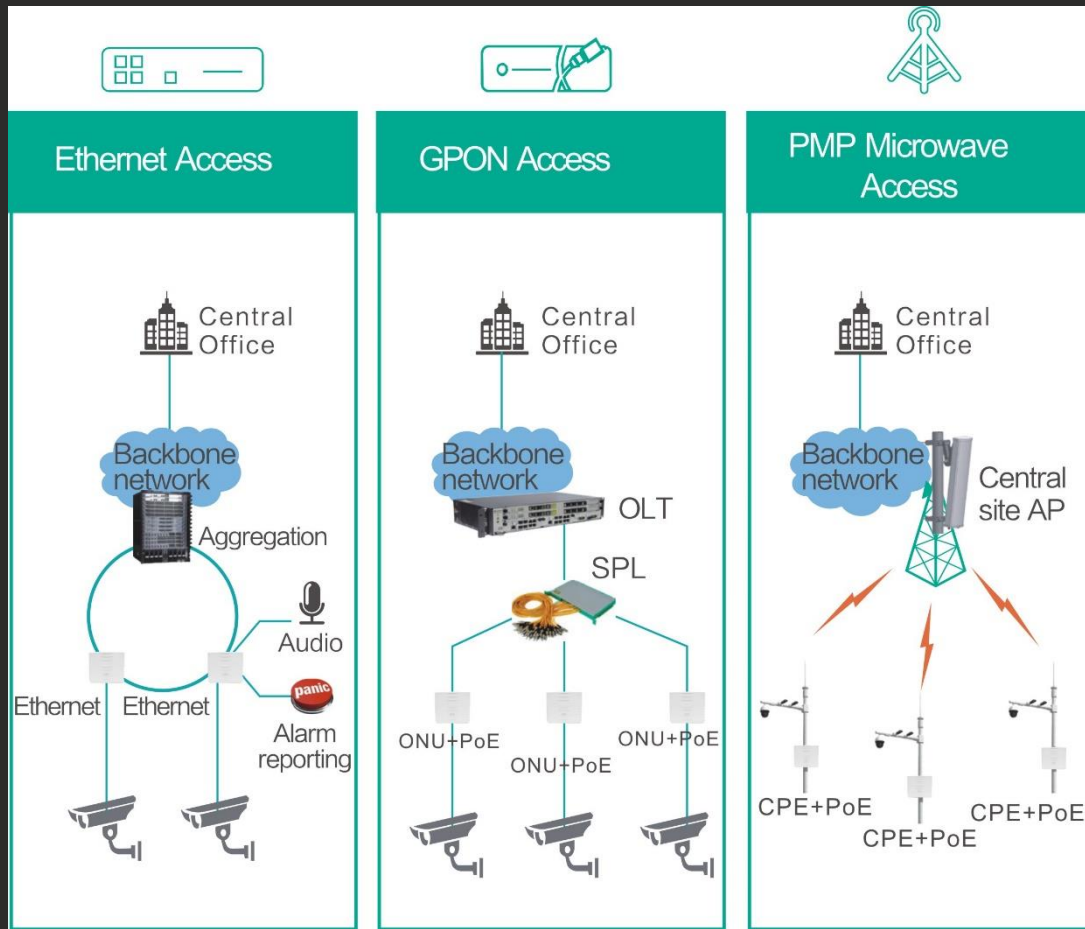
Outdoor PoE Switch

Outdoor PoE



3 kinds access way for Outdoor CCTV deployment

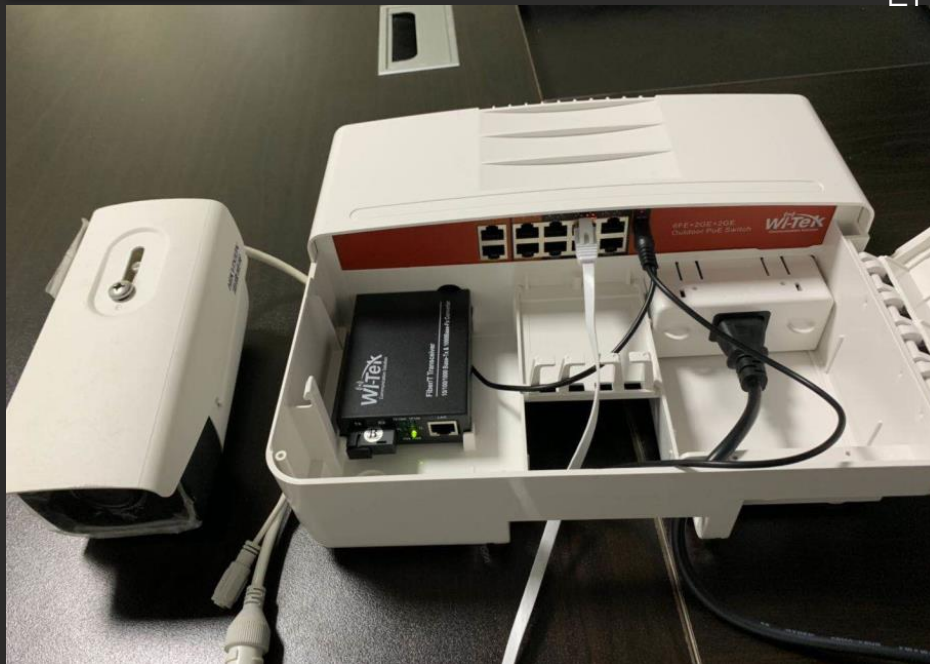
Outdoor PoE



Outdoor PoE Switch

Outdoor PoE

Outdoor PoE Switch+ Fiber(MEDIA CONVERTER or EPON Optic Fiber)



Outdoor PoE Switch

Outdoor PoE

Typical Applications



Construction Site



Industrial Area



Square

24-48V Mix Smart PoE Switch

Smart PoE

Auto Detection 802.3af / at 48V or Passive PoE 24V

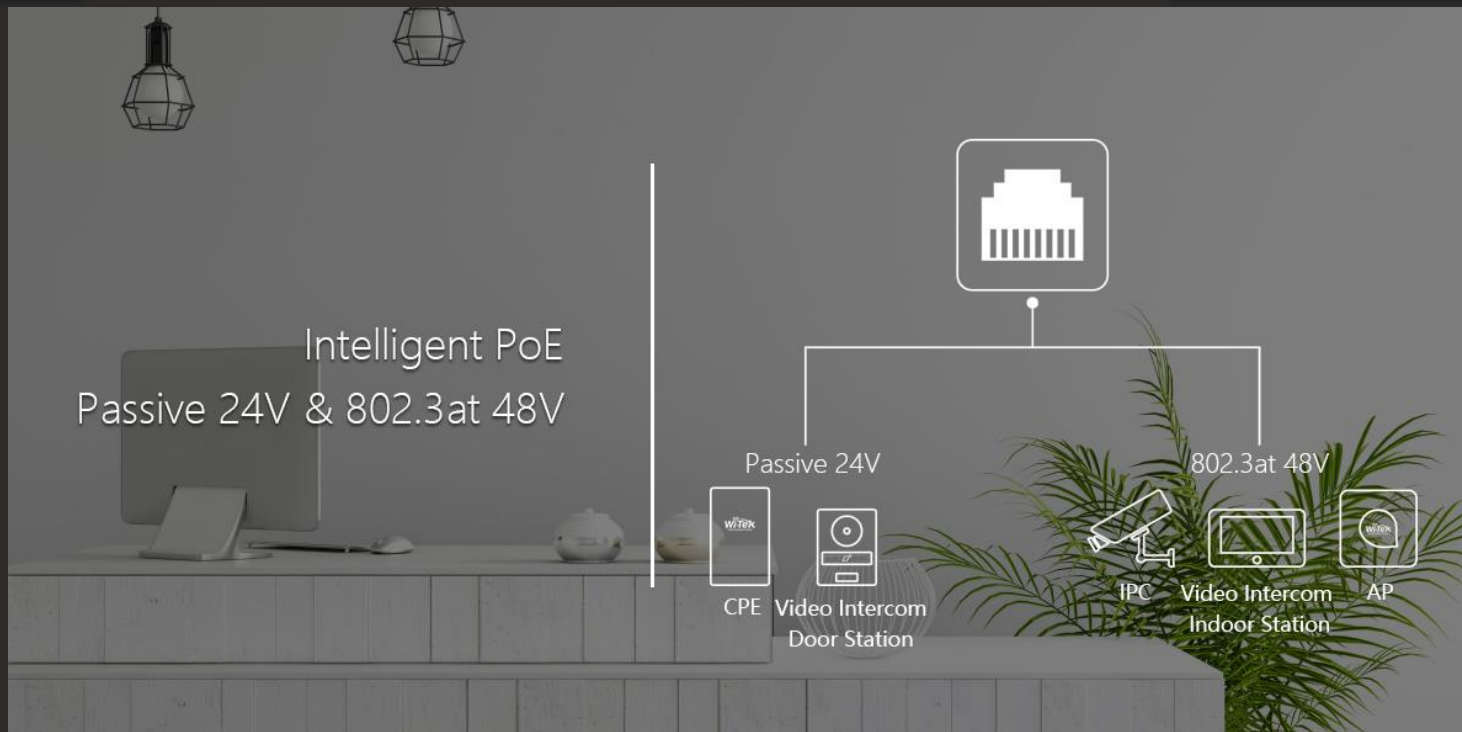
Passive/Active



Smart PoE

Auto Detection 802.3af / at 48V or Passive PoE 24V

Passive/Active



Smart PoE

Auto Detection 802.3af / at 48V or Passive PoE 24V

Passive/Active



WI-PMS310GF-Alien

- 8GE+2SFP Full Gigabit Switch with 8 PoE ports
- The output power of each PoE port can be modified to 24V/48V or auto detect via software.
- Internal power adapter supply 150W
- Up to 4K QVLANS simultaneously
- Link Aggregation Control Protocol(LACP)
- WEB/CLI management, SNMP, bring abundant management features



WI-PS310GF-Alien

- 8GE+2SFP Full Gigabit Switch with 8 PoE ports
- 24-48V PoE Output smart auto-detected,plug and play
- Internal power adapter supply 150W

PoE Injector

PoE 48V

PoE Injector 48V

1000M

100M

1000M



	WI-POE51-48V	WI-POE31-48V	WI-POE55-60W
Ports	2 x 1000Base-T	2 x 100Base-T	2 x 1000Base-T
PoE Ports	1	1	1
PoE Budget	30 W	30 W	60 W
PoE standard 802.3at/af	Yes	Yes	Yes(802.3bt)
PoE PIN	4,5 + 7,8-	4,5 + 7,8-	1,2,4,5 + 3,6,7,8-

Compatibility with



and other PoE 802.3af / at devices

Wireless Transmitter for CCTV

Wireless Transmit



Wireless Transmitter CCTV Exclusive KIT Series

-  Qualcomm Atheros Enterprise Level Chipset
-  300Mbps/900Mbps Wireless n/ac Tech
-  Weatherproof Enclosure
-  10KV Lightning Protection
-  15KV ESD Protection

2.4G
5G

Plug
&
Play

Wireless Transmit

Make CCTV deployment more easy by Wireless

Making Connection with Ease & Speed

- 5GHz
- Multi-SSID
- 802.1Q VLAN
- 300 Mbps
- PoE+

IP Camera

AP Controller

Control Room

Why use Wireless Transmitter for CCTV

Wireless Transmit

**Cable
monitoring**



dug



wiring



bury pipe

**Wireless
monitoring**



set



install

hard to dig and bury pipes,
much sad tears!
better using wireless,
easy and make money fast!

Wireless Transmit

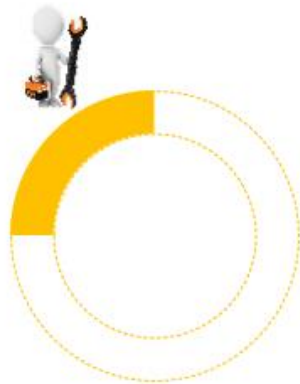
Construction Personnel

Workers

Save cost and Save time,
Choose wireless !

Wired CCTV

Wireless CCTV



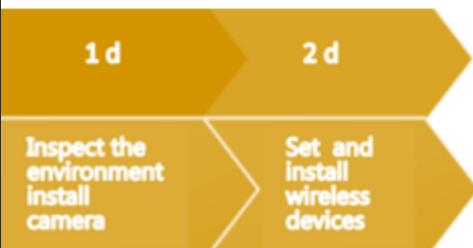
Wireless Transmit

Time-consuming construction

- the construction time consuming of cable monitor

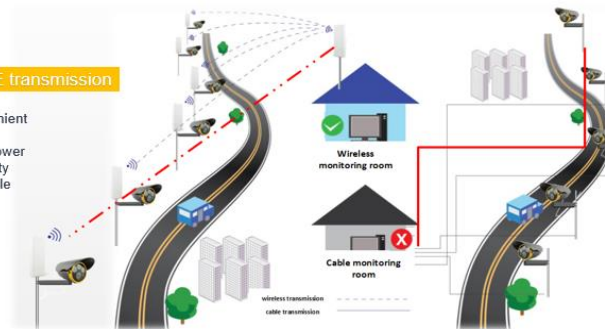


- the construction time consuming of wireless monitor



Wireless/ CPE transmission

1. quick and convenient
2. plug and play
3. save time and power
4. strong adaptability
5. networking flexible
6. convenient maintenance



Fiber transmission

1. time and power consuming
2. difficult to control cost
3. networking complex
4. troubleshooting along the line
5. affected by the environment

Wireless Transmit

cost of materials between cable and wireless

The cost of 1 Kilometers of engineering.

	Transmission equipment	Transmission media	Deployment cost	Labor cost	Dig-in	Total cost
Wired	FOT (Fiber Optical Transceiver)	Optical cable	Wiring	High	Yes	
	\$95	\$250	\$350	\$350	\$350	\$1395
Wireless	CPE	wireless radio	Equipment Installation	Low	No	
	\$350	/	\$35	\$100	/	\$485



Which save cost?
Wireless or Wired?

The cost of 5 Kilometers of engineering.

	Transmission equipment	Transmission media	Deployment cost	Labor cost	Dig-in	Total cost
Wired	FOT (Fiber Optical Transceiver)	Optical cable	Wiring	High	Yes	
	\$95	\$1250	\$1750	\$1750	\$1750	\$6595
Wireless	CPE	wireless radio	Equipmen Installation	Low	No	
	\$500	/	\$35	\$100	/	\$635



The farther the distance, the more saved by wireless

Farther distance. less cost of wireless.

Wireless Transmit

Environmental adaptability

Villages on the opposite side of the mountain, need wireless monitoring, there are 3.5 km from one side of the mountain to the other.

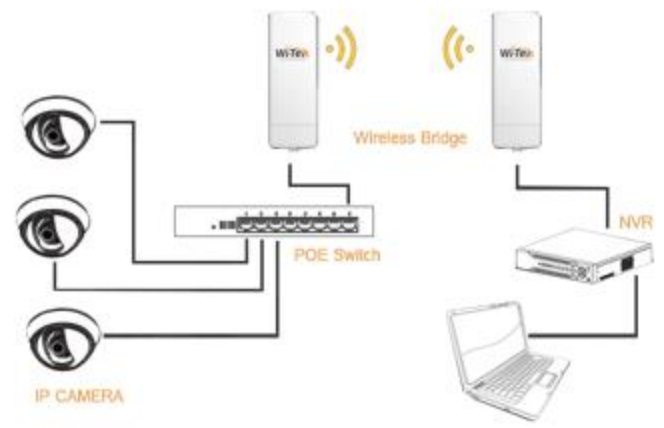


**Outdoor wireless monitoring
(wireless Transmitter)**

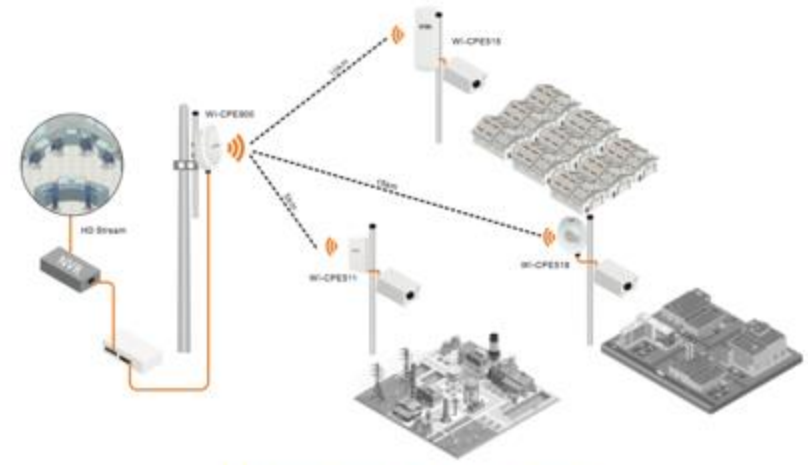
**Outdoor cable monitoring
(optical transceiver, optical fiber)**

Simplicity

Wireless Transmit



Point to Point



Point to Multi-Point

Design for different distance from 1KM-15KM

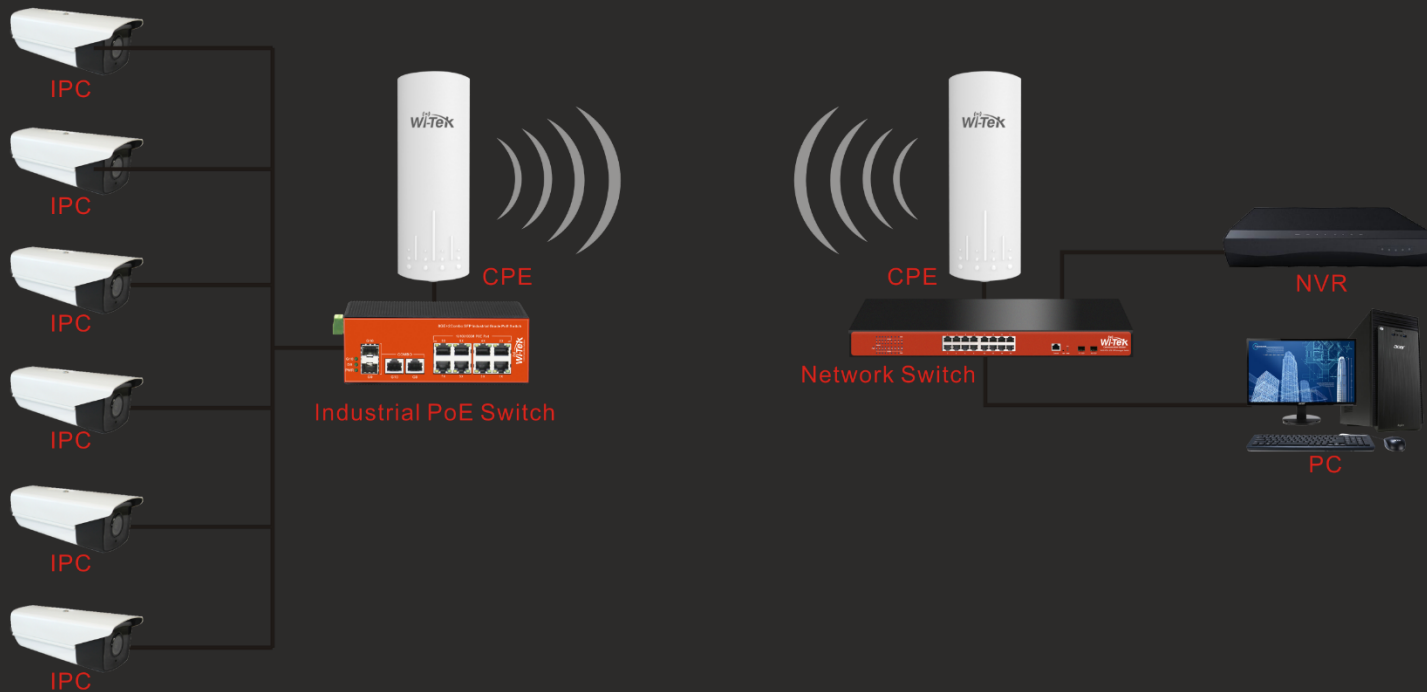
Wireless Transmit

H.264		1Km	2Km	5Km	10Km	15Km
WI-CPE111	1080P	8	5			
	3MP	5	3			
	5MP	3	2			
WI-CPE511	1080P	13	10	6		
	3MP	8	6	4		
	5MP	6	4	3		
WI-CPE515	1080P	15	13	10	5	
	3MP	10	8	6	3	
	5MP	6	6	4	2	
WI-CPE518	1080P	15	15	11	6	3
	3MP	10	10	7	4	2
	5MP	6	6	5	3	1
WI-CPE900	1080P	80	66	25		
	3MP	55	44	16		
	5MP	35	30	11		

H.265		1Km	2Km	5Km	10K m	15Km
WI-CPE111	1080P	16	10			
	3MP	10	6			
	5MP	6	4			
WI-CPE511	1080P	26	20	12		
	3MP	16	12	8		
	5MP	12	8	6		
WI-CPE515	1080P	30	26	20	10	
	3MP	20	16	12	6	
	5MP	12	12	8	4	
WI-CPE518	1080P	30	30	22	12	6
	3MP	20	20	14	8	4
	5MP	12	12	10	6	2
WI-CPE900	1080P	160	132	50		
	3MP	110	88	32		
	5MP	70	60	22		

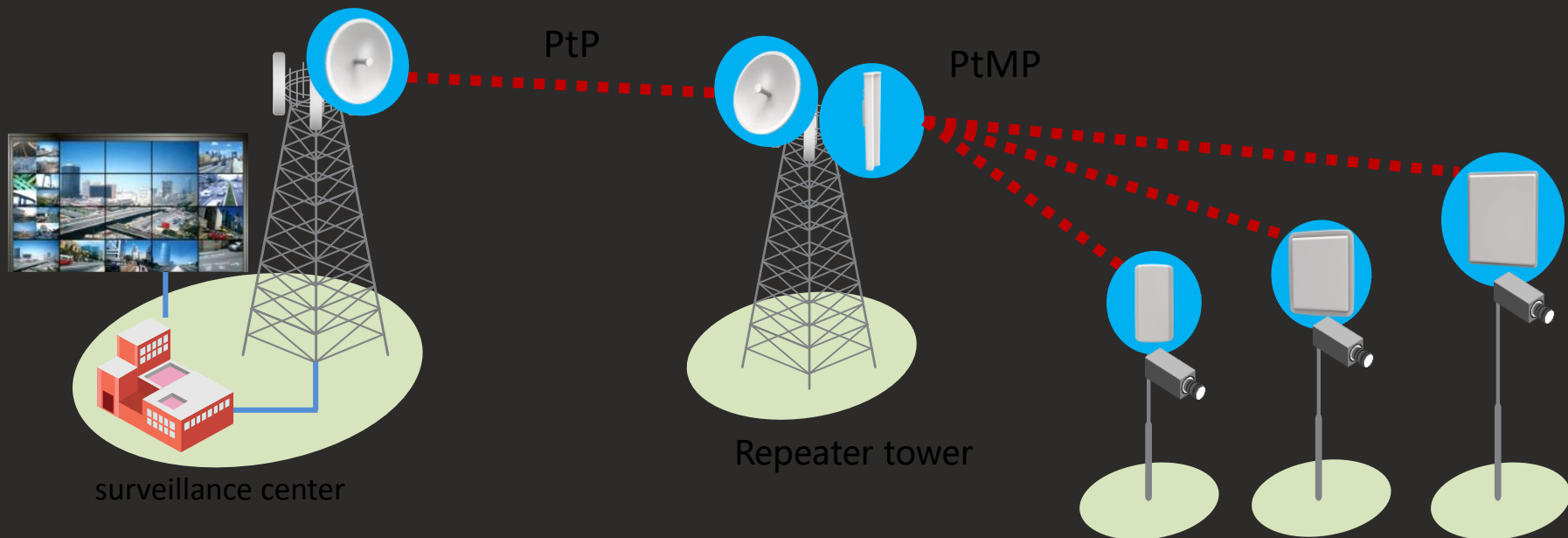
Wireless Transmit

Point to Point application



Wireless Transmit

Point to Multi-Point application



Point to Multi-Point application

Wireless Transmit



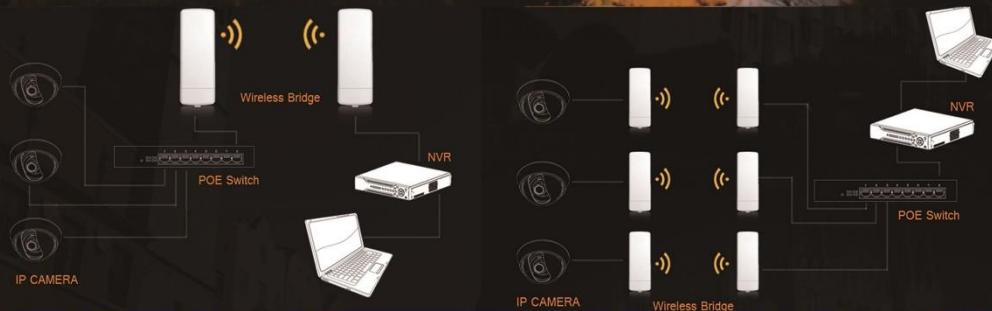
Wireless Transmit

How to smooth
video data stream?

QVLAN
data stream

Super TDMA
Protocol

External Channel
4.9-6.1Ghz



Each 480P IP-Camera need 2Mbit bandwidth
Each 720P IP-Camera need 4Mbit bandwidth
Each 1080P IP-Camera need 8Mbit bandwidth



Each Pair 2.4G 300M CPE can take 50-80Mbit
throughput at 3KM Range
Each Pair 5.8G 300M CPE can take 80-80Mbit
throughput at 3KM Range

Wireless Transmit

Suit for different environment



Scenic spots



mine



cargo berth



Highway tunnel



Peacefull villages and towns



Petroleum chemical



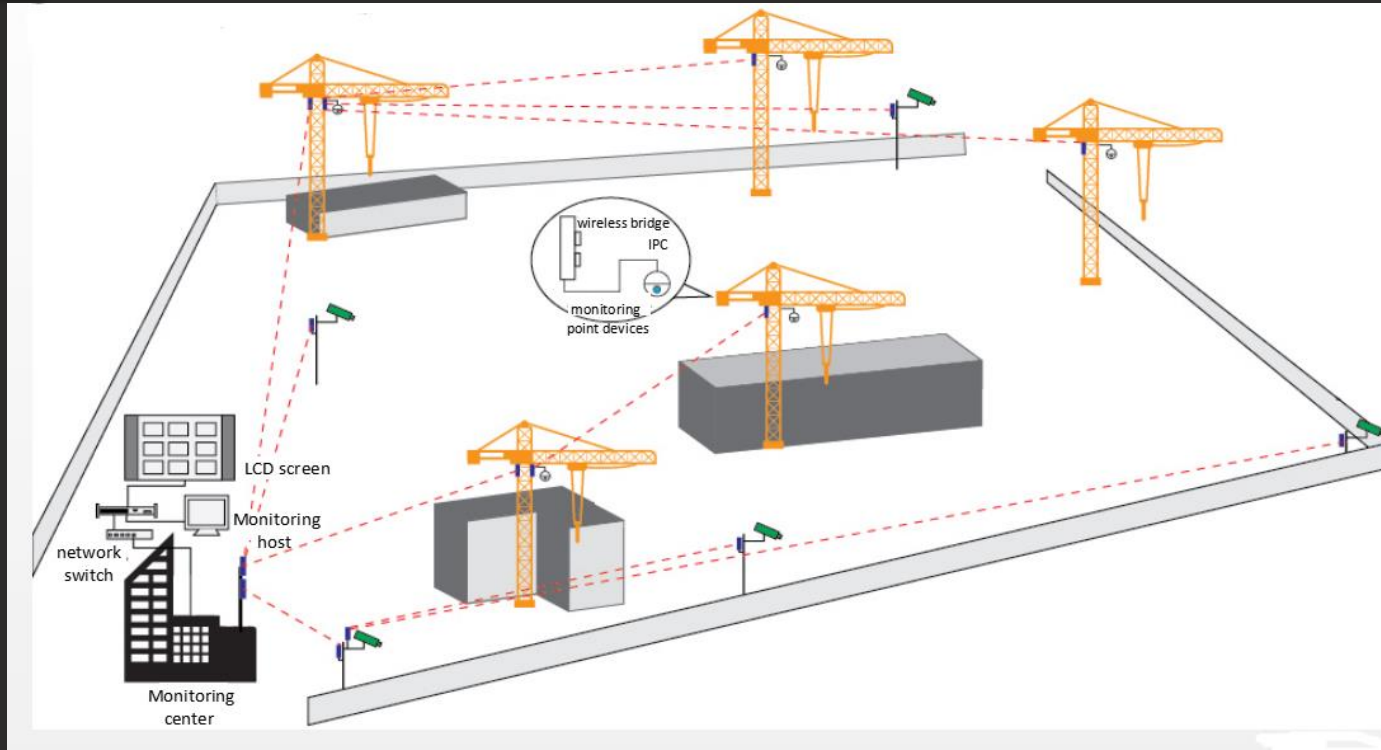
Forest fire preventio



Construction cranes

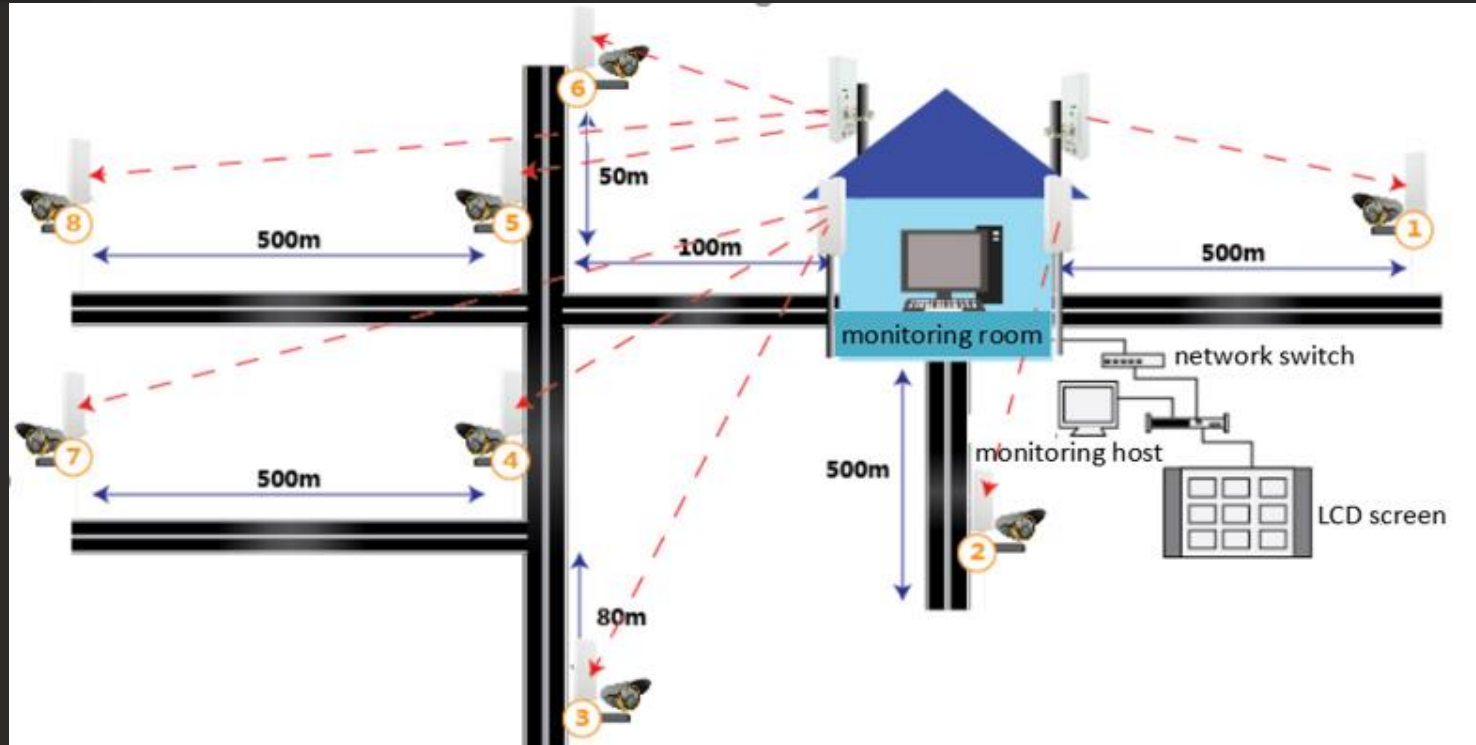
Wireless Transmit

Wireless monitoring case in a large construction site



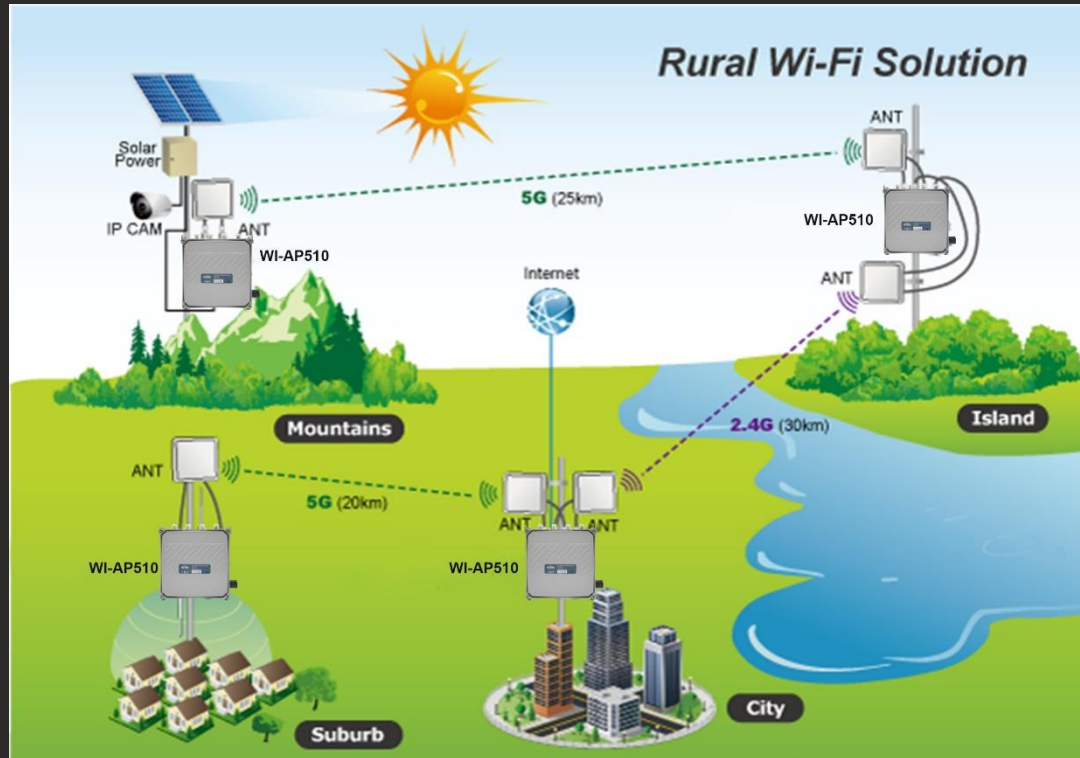
Wireless Transmit

Wireless monitoring case in a high-speed road



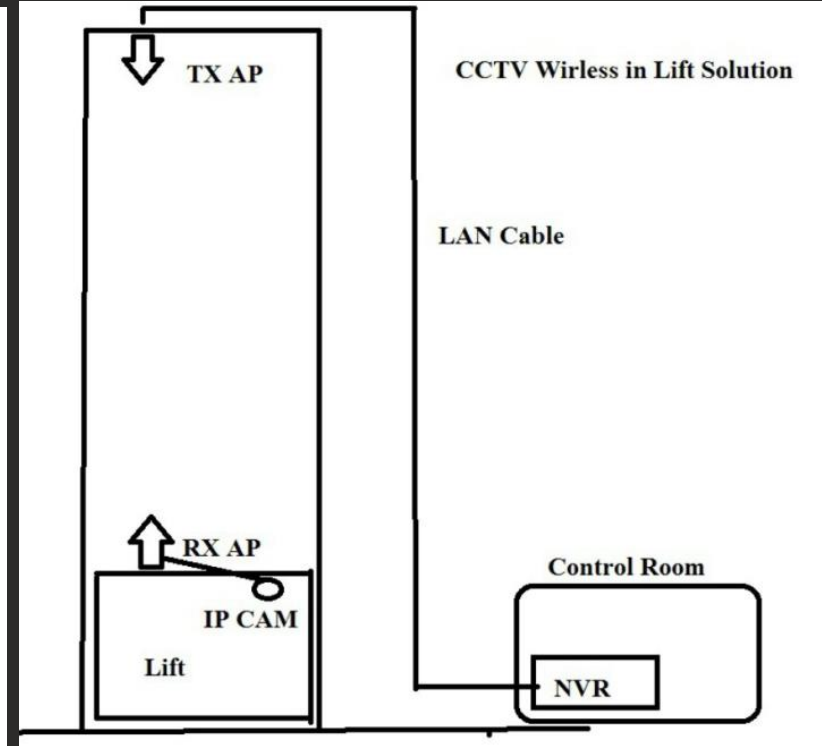
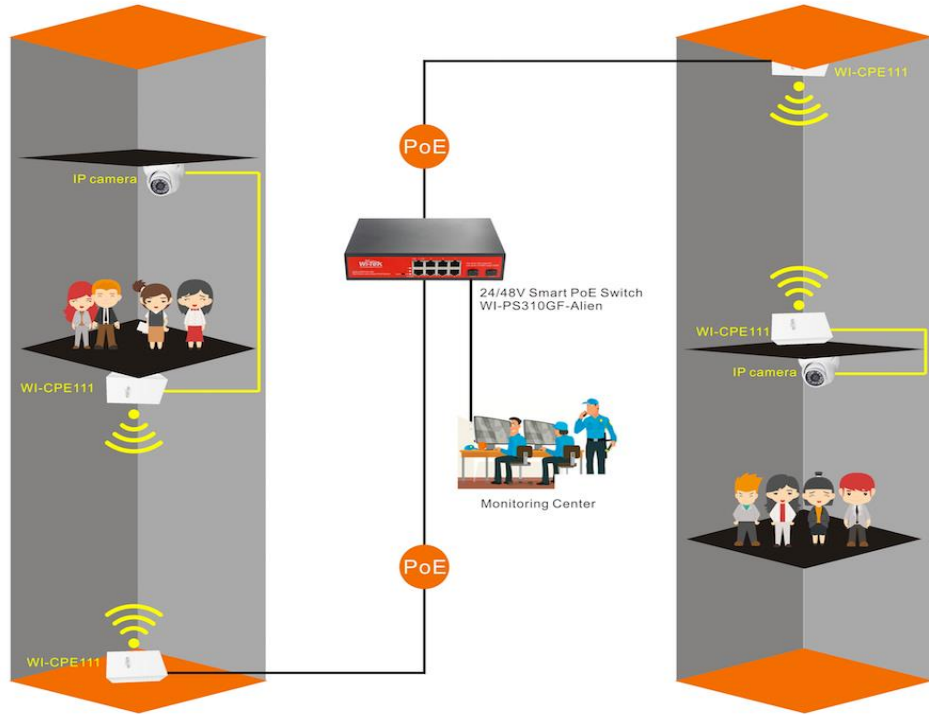
Wireless Transmit

Wireless monitoring case in forest



Wireless Transmit

CCTV Wireless Transmit for lift environment



Wireless Transmit

Case of project deployment



Wireless Transmit

On site Performance Testing

3.The DUT Best Throughput Data:

DUT FW	10TX Pairs	10RX Pairs	5TX+5RX Pairs	Bandwidth	DUT Antenna	Wireless mode	Distance
CPE515_F2.0.0A	94.838	93.391	105.258	20M	16dBi Internal Antenna	AN	6km
	94.621	94.616	153.471	40M			
DUT FW	10TX Pairs	10RX Pairs	5TX+5RX Pairs	Bandwidth	DUT Antenna	Wireless mode	Distance
CPE515_F2.0.0A	93.875	94.57	106.596	20M	16dBi Internal Antenna	AN	6km
	94.689	94.589	148.537	40M			

Wi-CPE515_F2.0.0A Information	
HW	Rev.1.0
FW	F2.0.0A
Golden AP Information	
Product Name	WI-CPE515
FW	F2.0.0A
Antenna Information	
Wi-CPE515	16dBi Internal Antenna
Laptop Information	
AP	Thinkpad-E445
Client	Thinkpad-E445
Test Tools	
Software	Chariot 6.7
OS	WIN7 SP1
Chariot Settings	
Network Type	TCP
Script	Throughput
File Size	100000bytes
Test Time	60 seconds
Ping Settings	
Packets	100



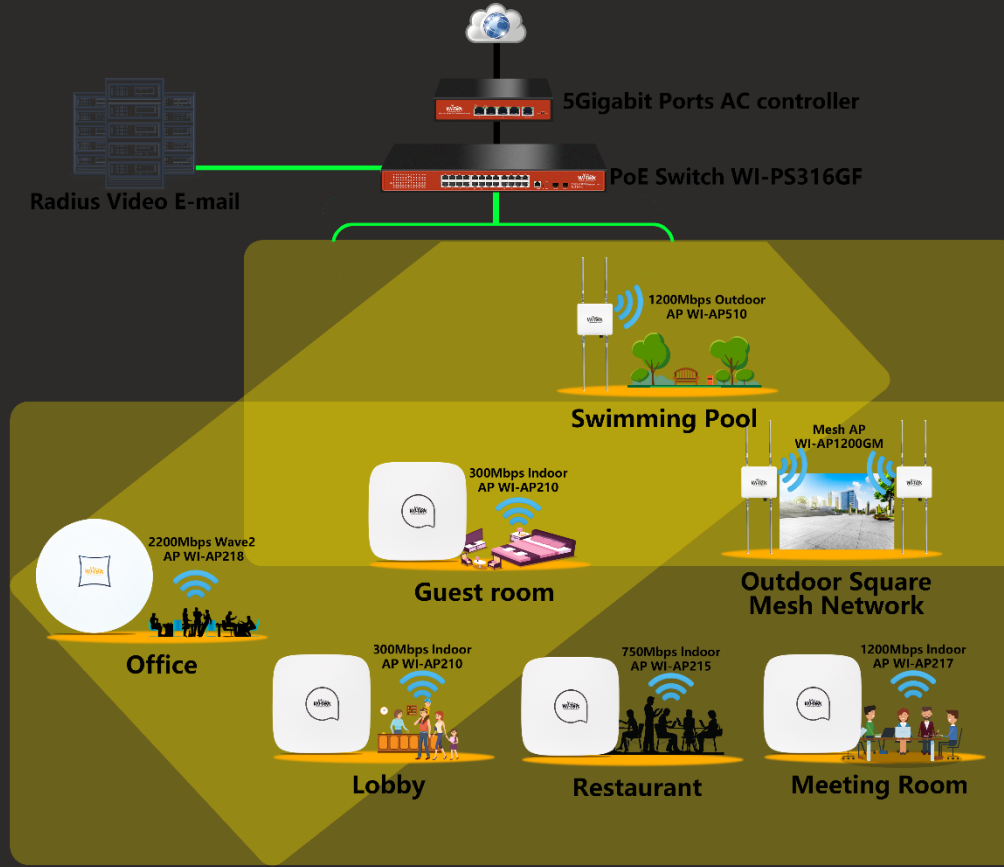
Indoor and Outdoor Wireless access point

Wi-Fi Coverage



Indoor and Outdoor Wireless access point

Wi-Fi Coverage



Wi-Fi Coverage

Rich Wireless mode integrated



Wi-Fi Coverage

Captive Portal help you show Wi-Fi Ad



Captive Portal

It access into Local or cloud server for advertisement and captive portal authentication for more business value.

Wi-Fi Coverage

802.1Q VLAN TAG Binding SSID

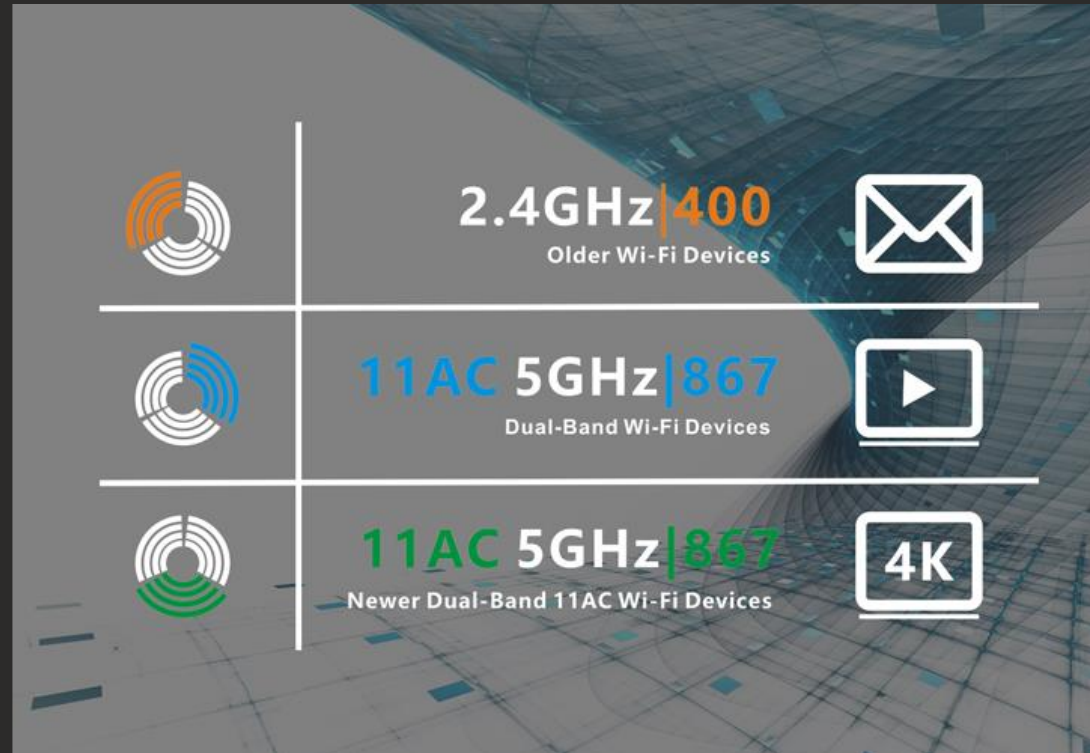


Wi-Fi Coverage

Fastest 11AC Triple Band up 2200Mbps Speed

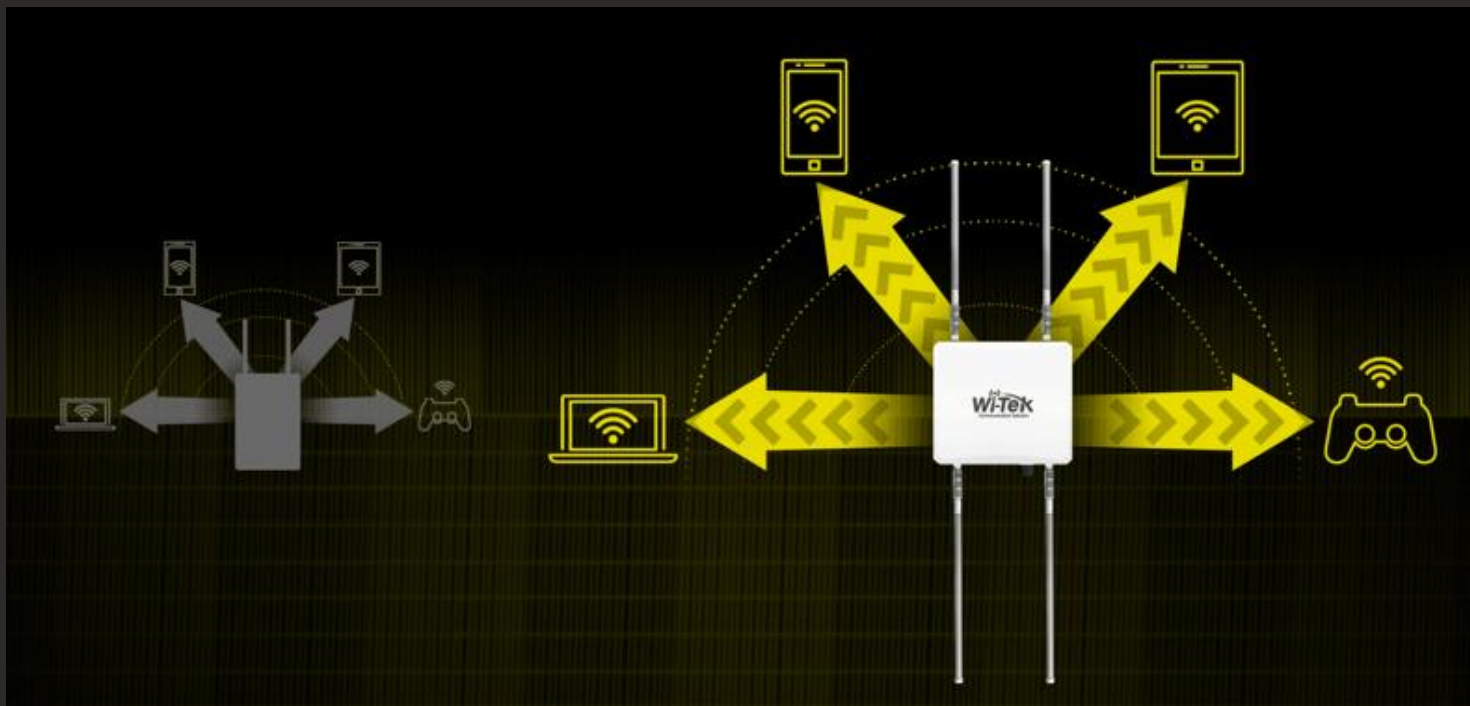
11 AC Triple Band Technology

The wireless speed can be up to 2200Mbps, meet the bandwidth requirements of high-density environments.



Wi-Fi Coverage

High-Power design for extend Wi-Fi Coverage



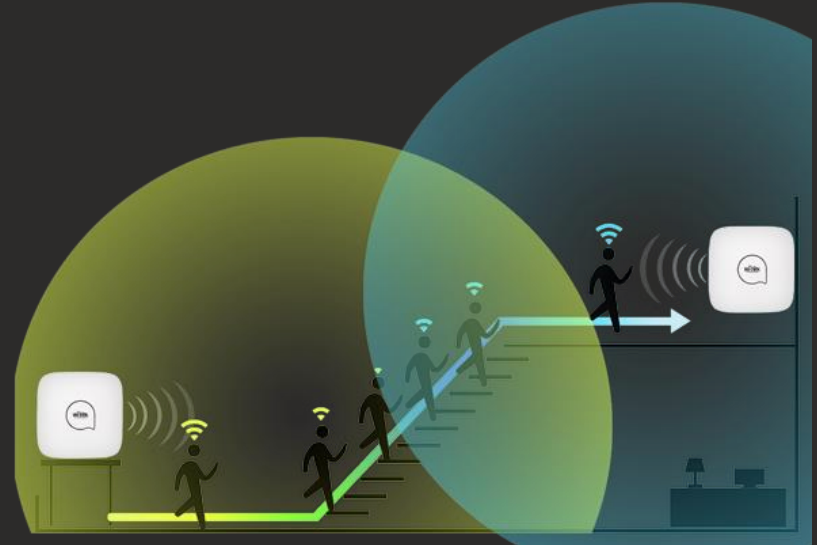
Wi-Fi Coverage

Fast Roaming Technology



Fast Roaming

When you walking around Mesh system, it will switch to strongest wireless signal automatically.



Indoor&Outdoor Wireless AP family

Wi-Fi Coverage

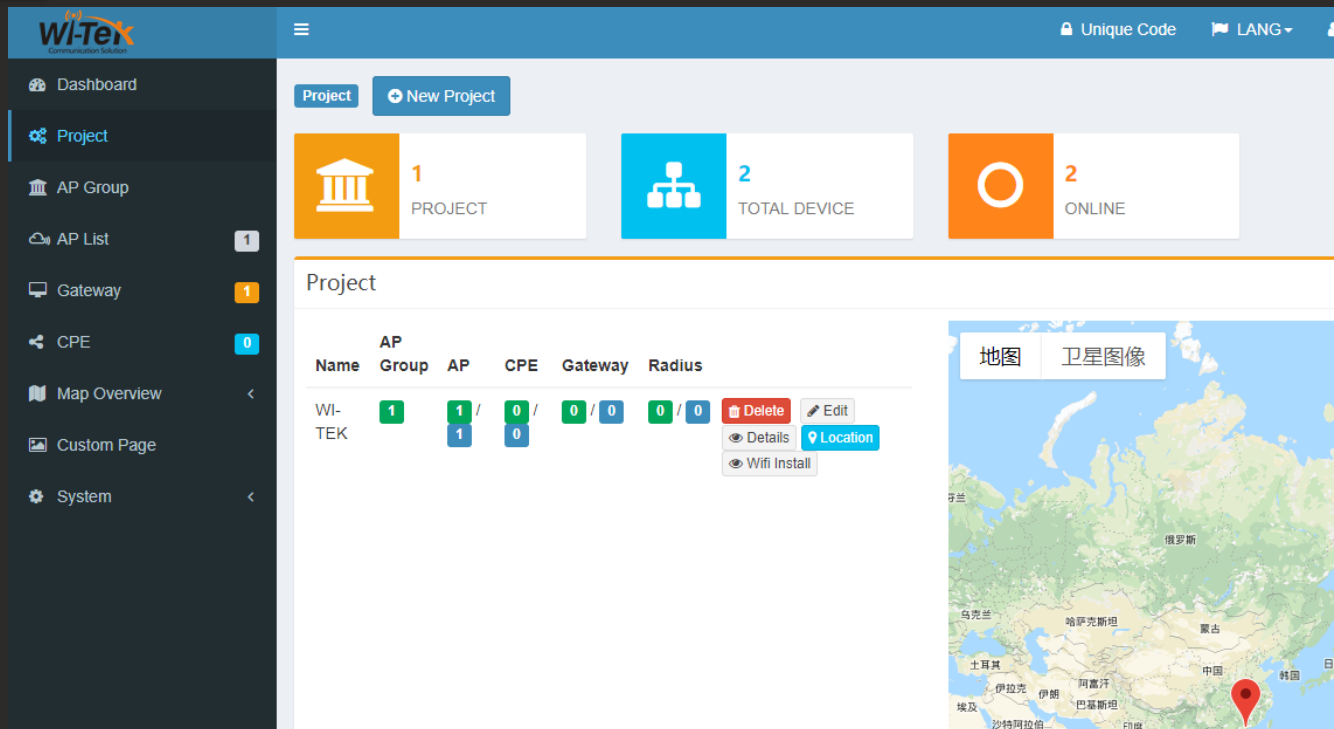


Product	WI-AP210	WI-AP215	WI-AP315	WI-AP217	WI-AP218	WI-AP510
Wireless Data Rate	300Mbps	750Mbps	750Mbps	1200Mbps	2200Mbps	1200Mbps
Interface	2*100M	2*100M	2*100M	2*1000M	2*1000M	1*1000M
Users	35+	60+	90+	150+	250+	300+
Frequency	2.4GHz	2.4GHz and 5GHz	2.4GHz and 5GHz	2.4GHz and 5GHz	2.4GHz and 5GHz and 5GHz	2.4GHz and 5GHz
Installation	Indoor	Indoor	Outdoor	Indoor	Indoor	Outdoor
QVlan Binding Multi SSID	YES	YES	YES	YES	YES	YES
WAVE 2				YES	YES	YES

New Feature: Cloud Management come in Feb 2020!

Wi-Fi Coverage

Login: cloud.wireless-tek.com

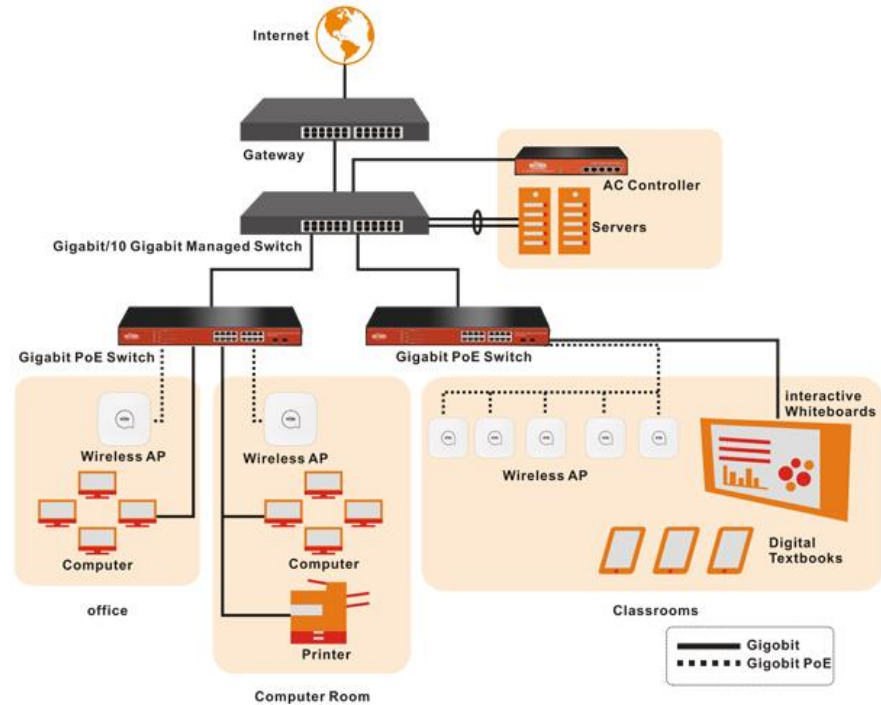
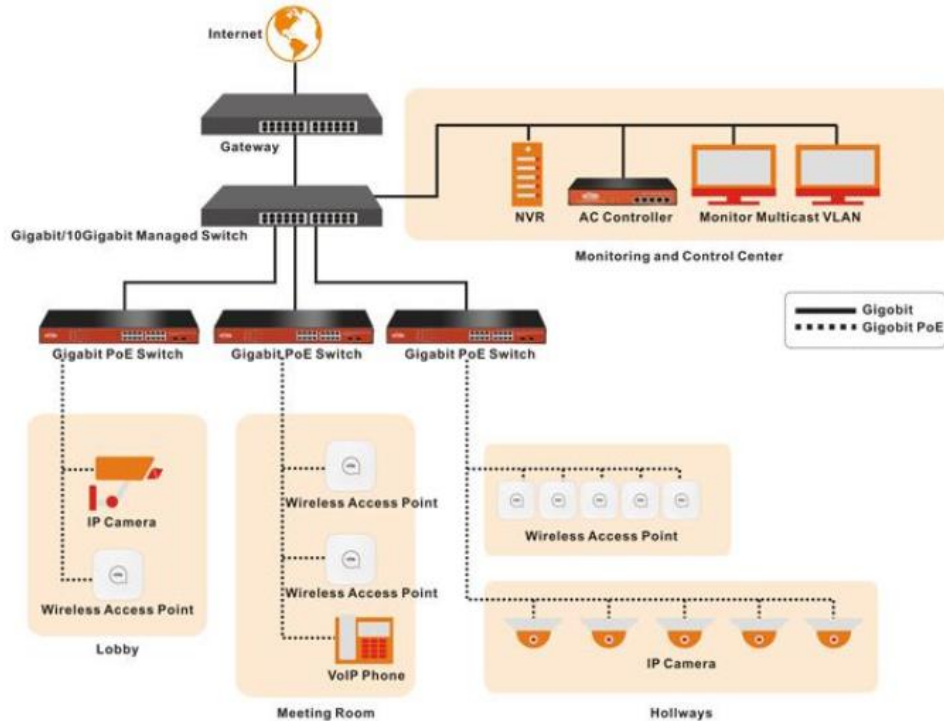


The screenshot shows the Wi-Tek Cloud Management Dashboard. The interface includes a sidebar with navigation options: Dashboard, Project, AP Group, AP List (1), Gateway (1), CPE (0), Map Overview, Custom Page, and System. The main content area features a 'Project' section with a 'New Project' button and three summary cards: 1 PROJECT, 2 TOTAL DEVICE, and 2 ONLINE. Below this is a table of projects with columns for Name, AP Group, AP, CPE, Gateway, and Radius. A dropdown menu is open for the 'WI-TEK' project, showing options for Delete, Edit, Details, Location, and Wifi Install. On the right, there is a map with '地图' and '卫星图像' tabs, and a red location pin is placed on the map.

Name	AP Group	AP	CPE	Gateway	Radius	
WI-TEK	1	1 / 1	0 / 0	0 / 0	0 / 0	<ul style="list-style-type: none"> Delete Edit Details Location Wifi Install

Wi-Fi & Wire Network Solution

Wi-Fi Coverage



Robust Outdoor Wireless AP(WI-AP510)

Wi-Fi Coverage

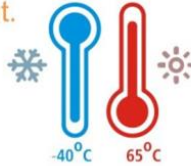


Robust Outdoor Wireless AP

Wi-Fi Coverage

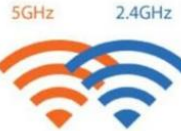
IP67 class enclosure competent with outdoor environment.

The WI-AP510 is designed and manufactured with the strictest standards. Enterprise level chipset makes good performance in high density environment. IP67 class enclosure provides waterproof and dustproof protection, the WI-AP510 provide ideal hotspot solution in the industrial area, construction site and some harsh outdoor environment. The WI-AP510 can also withstand temperatures from -20° to 70°C, and it also provides 15KV ESD and surge protection.



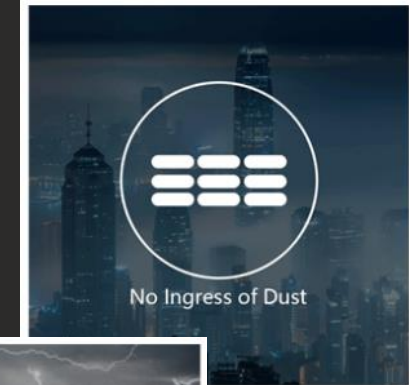
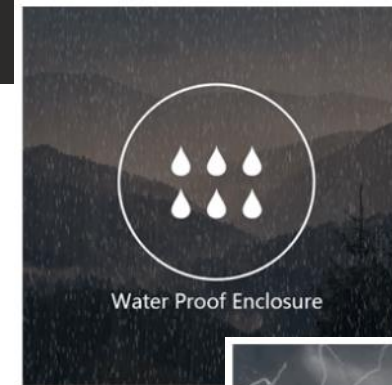
Dual band guarantee the quality of Wi-Fi service.

The WI-AP510 works with 2.4GHz and 5GHz dual band technology. It will avoid crowded frequency to provide high quality Wi-Fi service even in high density environment during peak period



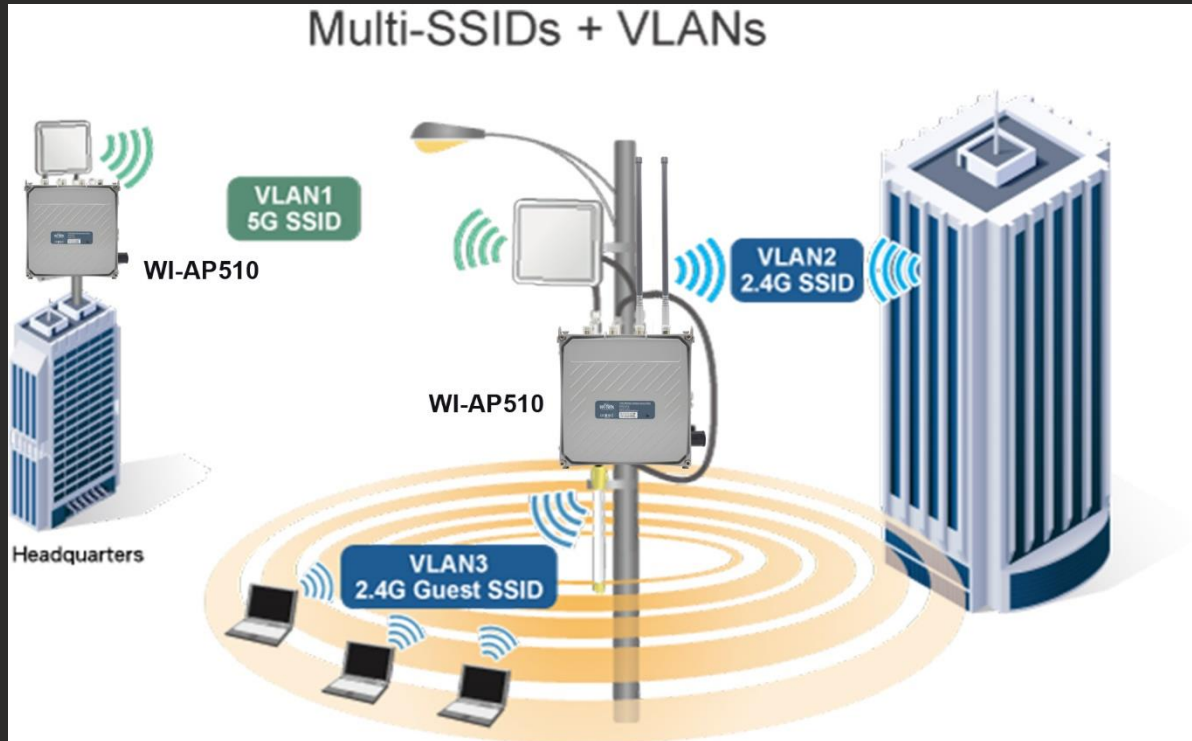
Easy management.

The WI-AP510 can work with hardware AC controller for easy configuration and management. It can be centralized managed when it is working with other APs. It is the ideal choice for system integrators to implement the Wi-Fi project.



Wi-Fi Coverage

Multi-SSIDs+ VLANs for Network Security



Application Environment

Wi-Fi Coverage



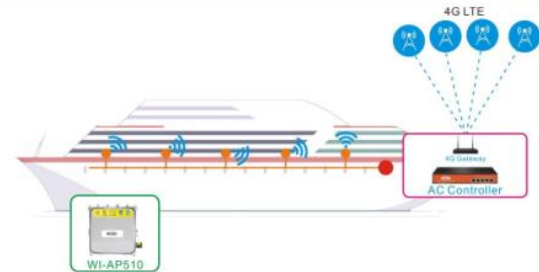
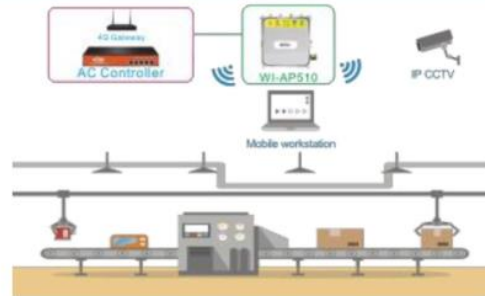
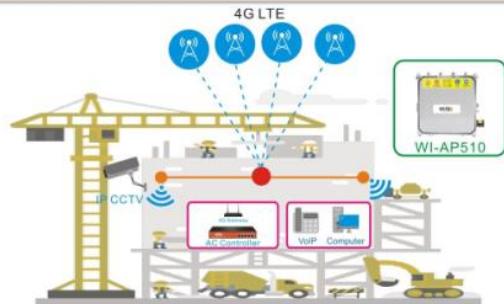
Construction Site



Industrial Area



Ship

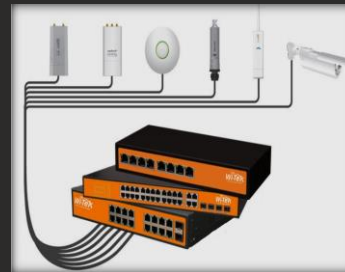


Unmanaged **Passive PoE** Switch

Passive

PoE 24V

- ✓ Passive PoE 24V, compatibility with equipment from various vendors of Ubiquiti, Mikrotik, TP-Link, etc.
- ✓ Internal power adapter supply 24W to each port.
- ✓ **Cost-effective price**



Managed L2 Passive PoE switch

Passive

PoE 24V

L2

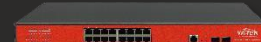
24V

1000 Mbps

- ✓ Passive PoE 24V, compatibility with equipment from various vendors like Ubiquiti, Mikrotik, TP-Link, etc.
- ✓ Internal power adapter supply 24W to each port.
- ✓ PoE PIN 4,5+ 7,8-
- ✓ WEB / CLI / SNMP management
- ✓ Functional L2 - VLAN, QoS, IGMP Snooping, STP/RSTP/MSTP, ACL, Security
- ✓ Budget price category



WI-PMS310GF-24V



WI-PMS318GF-24V



WI-PMS326GF-24V

Passive

What do we connect?

PoE 24V

WiFi access points of different manufacturers
(Accord for compatibility - 24V, PoE PIN)



... etc.

Passive

Unmanaged L2 *Passive PoE* switches

PoE 24V



	Pots	PoE Ports	PoE Budget	PoE PIN	MAC Address Table
WI-PS105-24V	5FE	4x100Mbps	72W	4,5 + 7,8-	2K
WI-PS109-24V	9FE	8x100Mbps	120W	4,5 + 7,8-	2K
WI-PS118G-24V	16FE+2GE+1SFP	16x100Mbps	250W	4,5 + 7,8-	8K
WI-PS120GF-24V	16FE + 4 Combo GE/SFP	16x100Mbps	250W	4,5 + 7,8-	8K
WI-PS126G-24V	24FE + 2GE+2SFP	24x100Mbps	300W	4,5 + 7,8-	8K
WI-PS128GF-24V	24FE + 4 Combo GE/SFP	24x100Mbps	300W	4,5 + 7,8-	16K
WI-PS311G-24V	11GE	8x1000Mbps	120W	4,5 + 7,8-	8K
WI-PS318GF-24V	16GE + 2SFP	15x1000Mbps	350W	4,5 + 7,8-	16K
WI-PS326GF-24V	24GE + 2SFP	23x1000Mbps	400W	4,5 + 7,8-	16K

Passive

PoE 24B

Managed L2 Passive PoE switches



	WI-PMS310GF-24V	WI-PMS318GF-24V	WI-PMS326GF-24V
Ports	8GE + 2SFP	16GE + 2SFP	24GE + 2SFP
PoE ports	8x1000Mbps	16x1000Mbps	24x1000Mbps
PoE Budget	120W	350W	400W
PoE PIN	4,5 + 7,8-	4,5 + 7,8-	4,5 + 7,8-
MAC Address Table	8K	16K	16K
L2 Management	Yes	Yes	Yes
Main functions	QoS, IGMP, QVLAN, SNMP, RSTP		

Reverse PoE Switch for ISP

For ISP

Power from the subscriber - solution for ISP / WISP



- ✓ PoE Output 24V 1A
- ✓ assive PoE 24V, compatibility with equipment from various vendors of Ubiquiti, Mikrotik, TP-Link, etc.
- ✓ L2/L3/L4 QoS and IGMP snooping optimize voice and video application
- ✓ WiFi PoE Routers **OpenWRT, DD-WRT**
- ✓ Optical Switches

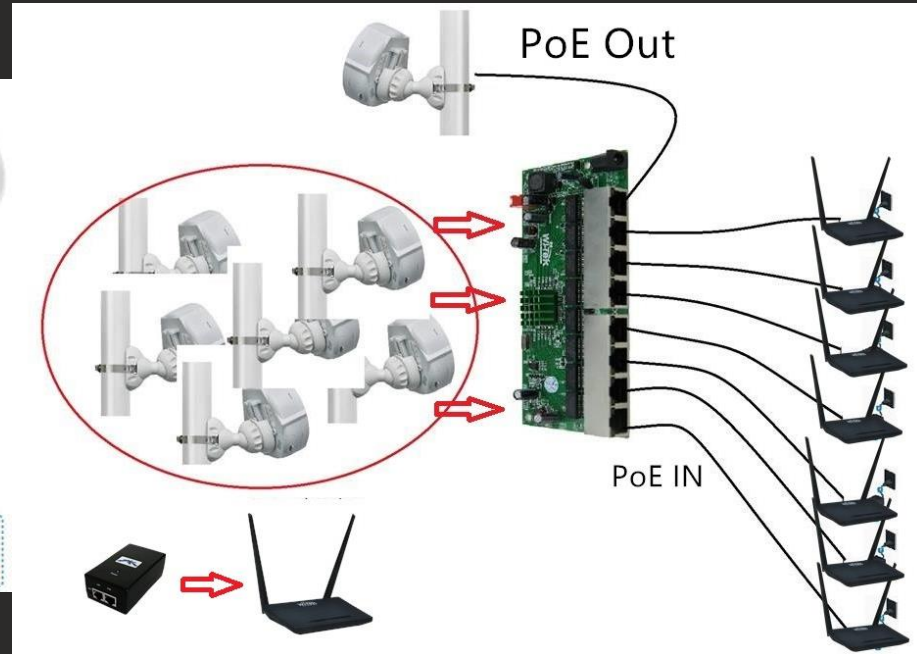
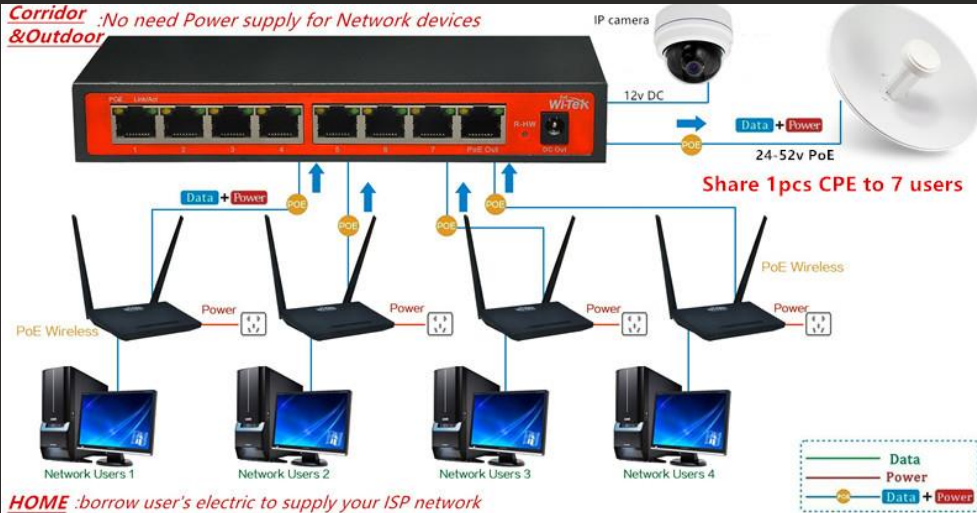


For ISP

Power from the subscriber - solution for ISP / WISP



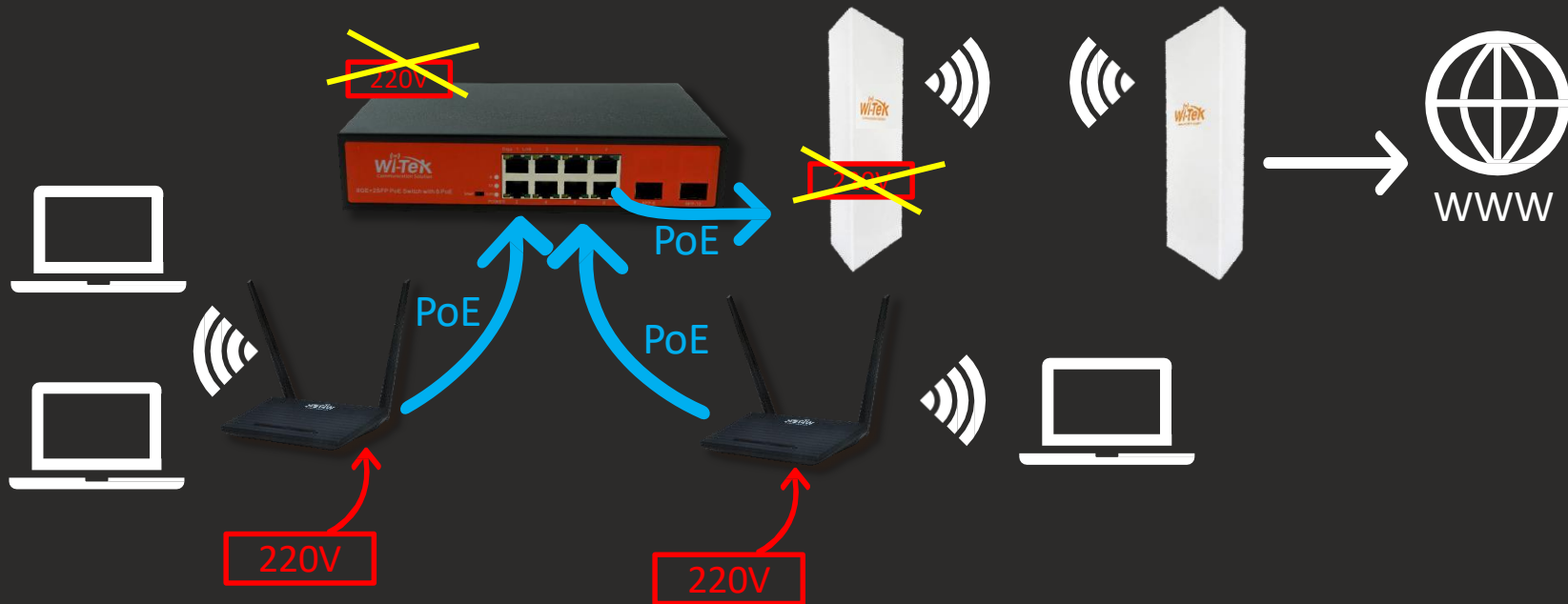
Corridor & Outdoor: No need Power supply for Network devices



For ISP

Solution for ISP - powered by subscriber

POE
POWER OVER ETHERNET



For ISP

Solution for WISP - powered by subscriber

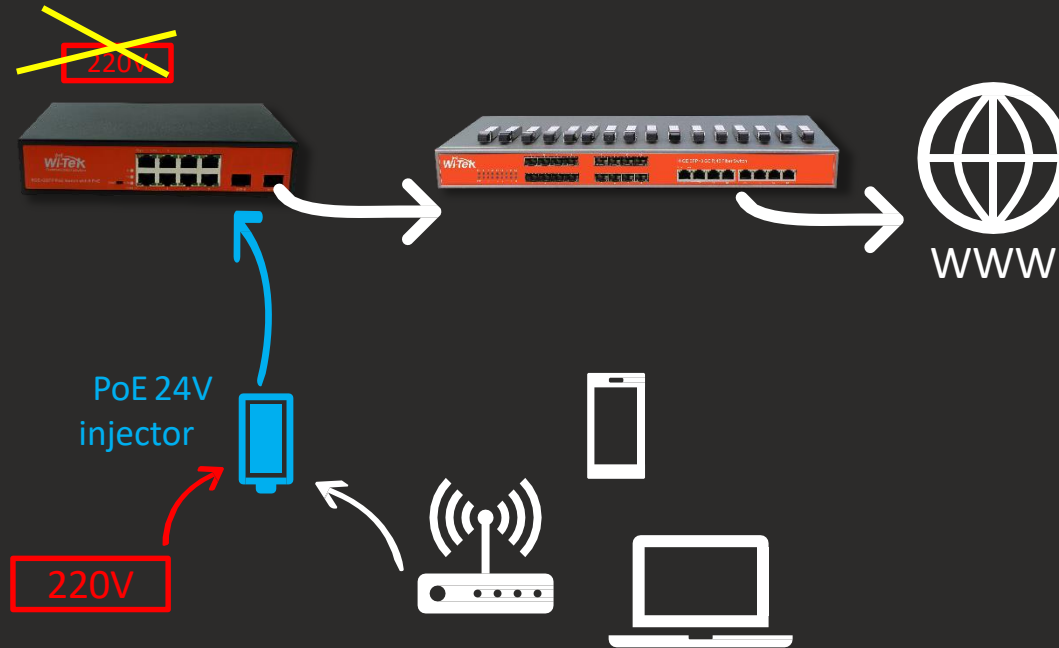
POE
POWER OVER ETHERNET



For ISP

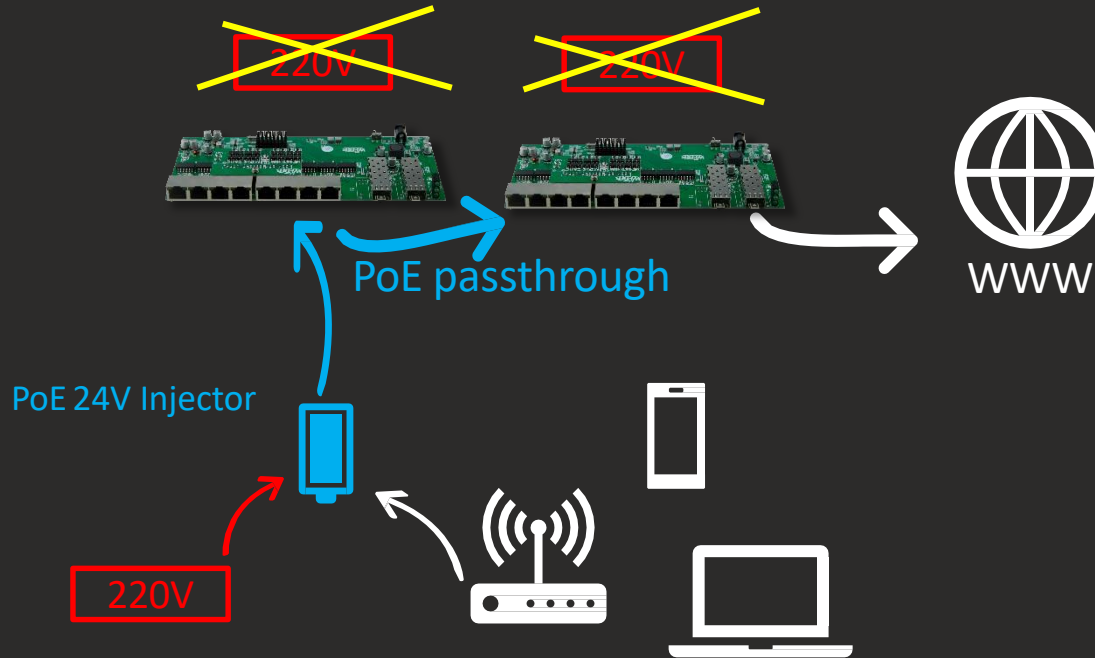
Solution for ISP - powered by subscriber

POE
POWER OVER ETHERNET



For ISP

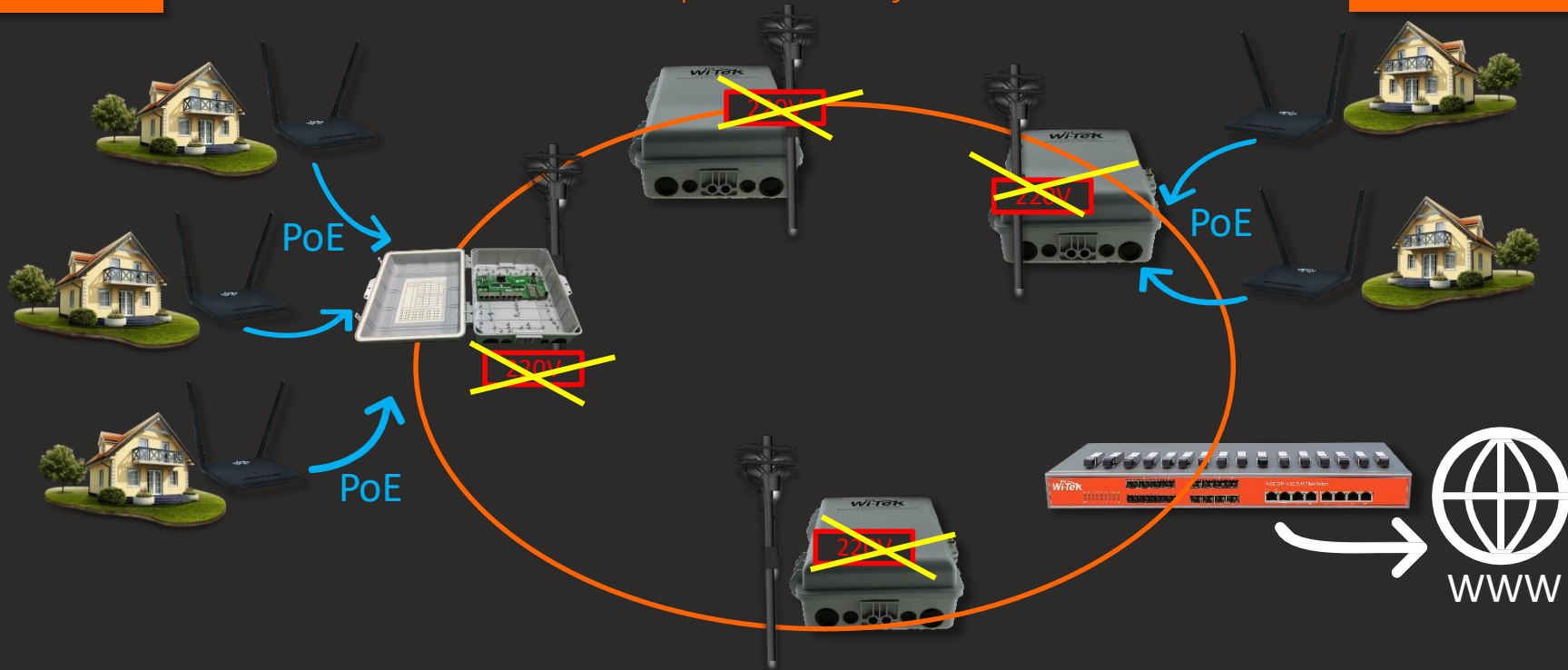
Solution for ISP - powered by subscriber



For ISP

Solution for ISP - powered by subscriber

POE
POWER OVER ETHERNET



Solution for ISP –WISP PoE Wireless Router

For ISP

WI-R2

300Mbps Wireless PoE Router
Design for Home Wi-Fi Coverage
&
CCTV IP-Surveillance

Suit for Villa level Wireless Coverage



Wall Penetration



PoE Passthrough



CCTV IP-Surveillance



3 PoE Mode



WISP



9-48V PoE



FTTx

Solution for ISP –WISP PoE Wireless Router

For ISP

Full Wi-Fi Coverage Solution for WISP

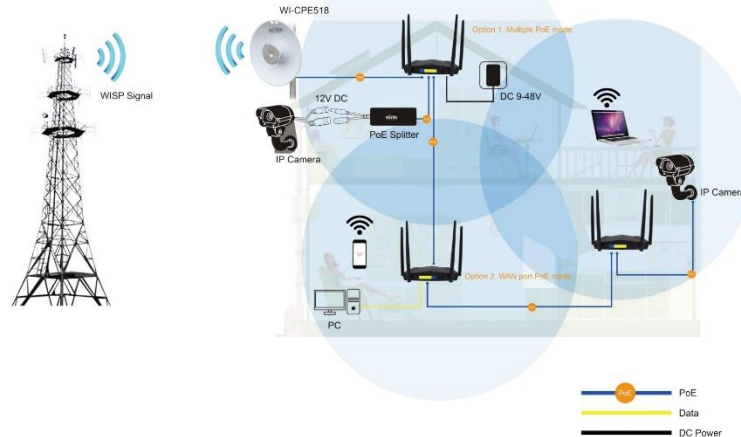


M: Multiple PoE port mode, WAN, LAN 1, LAN 2 ports are all support 9-48V PoE output/input.

N: Normal router mode, all ports do not support PoE function.

W: WAN port PoE mode, only WAN port support 9-48V PoE output/input.

Note: PoE output voltage depends on DC/PoE input voltage.



For ISP

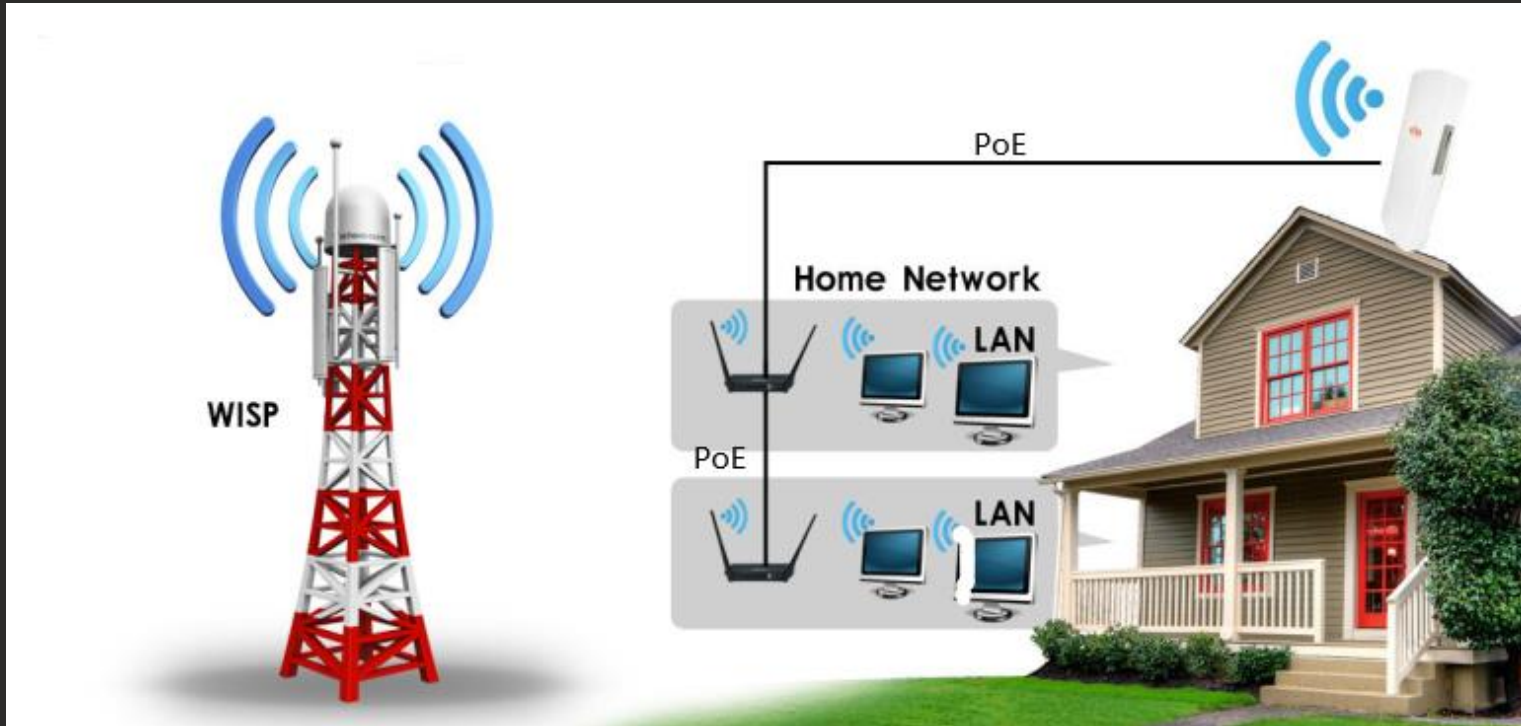
Router's WAN/LAN support 24-48V PoE Input and Output(PoE Passthrough)

POE
POWER OVER ETHERNET



For ISP

Router's WAN/LAN support 24-48V PoE Input and Output(PoE Passthrough)



For ISP

Solution for ISP - powered by subscriber

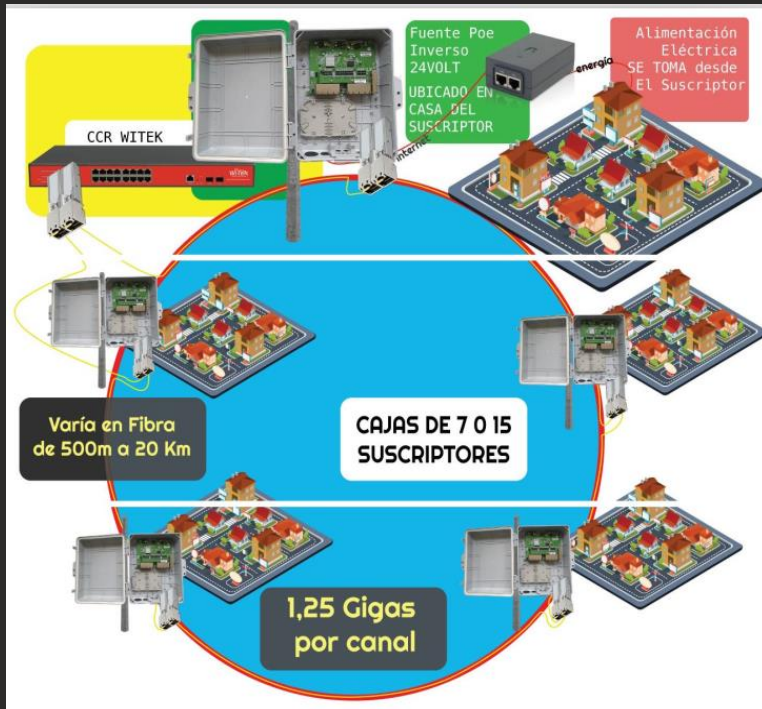
POE
POWER OVER ETHERNET



For ISP

Solution for ISP - powered by subscriber

POE
POWER OVER ETHERNET



For ISP

Alternative to PON networks Solution for ISP - powered by subscriber



xPON (Passive Optical Network)	Reverse PoE (FTTH, Ethernet)
2.5Gb / s for 64-128 subscribers	1Gbit / s to subscriber
Solutions from one vendor	Compatibility with other vendors
Limited CPE selection	Wide selection of CPE
Optical links up to 20km	Optical links > 100km
Network Scalability Limitations	Flexible Network Scalability
Careful miscalculation of optical budgets	Simplicity of calculations
Large initial investment	Minimum initial investment

For ISP

solution for ISP / WISP - Power from the subscriber



	WI-PMS310GFR-O	WI-PMS310GFR	WI-PMS318GFR	WI-PMS326GFR
Ports	8GE + 2SFP	8GE + 2SFP	16GE + 2SFP	24GE + 2SFP
PoE In	7	7	15	23
PoE Out	1	1	1	1
PoE PIN	4,5 + 7,8-	4,5 + 7,8-	4,5 + 7,8-	4,5 + 7,8-
L2 Functional	Yes	Yes	Yes	Yes
Enclosure	Yes			



- ✓ Possibility of ordering models without enclosures - PCB board

What we offer for partner

- ✓ Cost-effective
- ✓ Margin for partners
- ✓ Warehouse policy
- ✓ Warranty 3 years
- ✓ Promotion offline / online
- ✓ Test equipment
- ✓ Registration / Protection of projects
- ✓ Customization for the project
- ✓ Extra discount for case disclosure
- ✓ English technical support
- ✓ Promotions and promotional programs

Wi-Tek Product Seminar & Training



Wi-Tek Global exhibition Promote



Thank you!

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