



Usmate Velate (MB) – Via dell'artigianato 32/F

SWITCH E ACCESSORI UTEPO

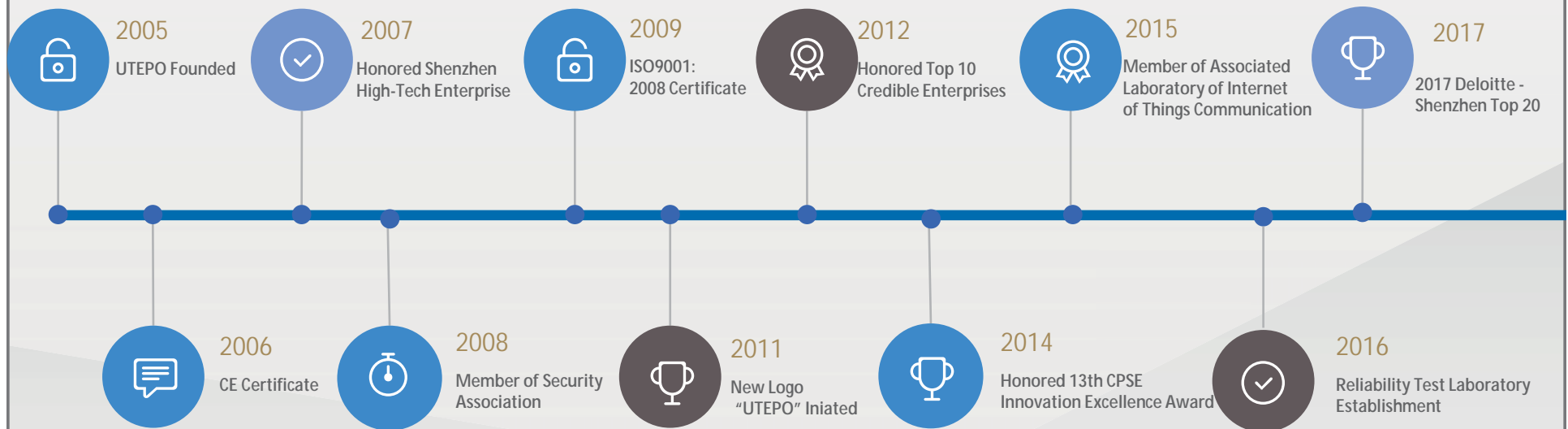


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Responsabile tecnico



Advanced Innovations: 20865 Usmate Velate (MB) - Italy - P.IVA:04994260968 - C.sociale: 100.000€ - REA MB-1789621

Utepo milestones



Riconoscimenti



National High Tech Enterprise

- ☆ Associated Lab of IoT
- ☆ Top 10 Credible Enterprises
- ☆ The Most Potential Shenzhen Brand
- ☆ 13th CPSE Innovation Excellence Award
- ☆ 2017 Top 10 Security brands of China



Shenzhen Well-known Brand



ISO9001



Software Enterprises



IAF Certificate



CNAS 0117-0 Certificate

Protezione sovratensioni e affidabilità

- Circuiteria dedicata al video IP: protezione alle scariche indotte fino a 6kV, ed elettrostatiche 8kV ESD
- Serie desktop: range temperatura: -10 C° / +55C°
- Serie industriale: range temperatura: -40 C° / +75C



Classi e livelli di resistenza: sovratensioni e scariche indotte

Suitable to Industrial Environment



Anti-surge/ 6KV, ESD/ 8KV

1

Wide Operation Temperature -40°C ~ 75°C

2

Anti-surge, Level 3, IEC6100-4-5;

3

ESD, Level 3, IEC61000-4-2

4

RS, Level 3, IEC61000-4-3

5

EFT, Level 3, IEC61000-4-4



Alta qualità dei circuiti interni (chipset) e dei connettori RJ45

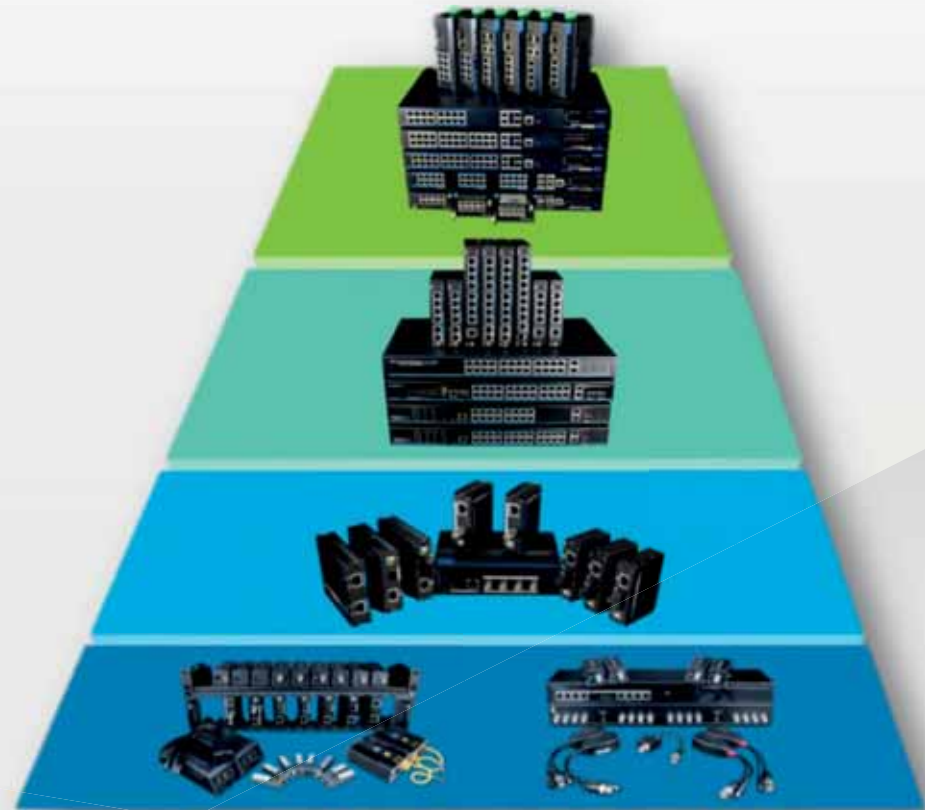


High Quality Circuit Technology

- Gold plated PCB and stable & reliable PCI slot imported from USA, effectively prevent oxidation, prolong service life, improve the integration of IC, improve the stability of line operation and port connection, reduce project maintenance cost.



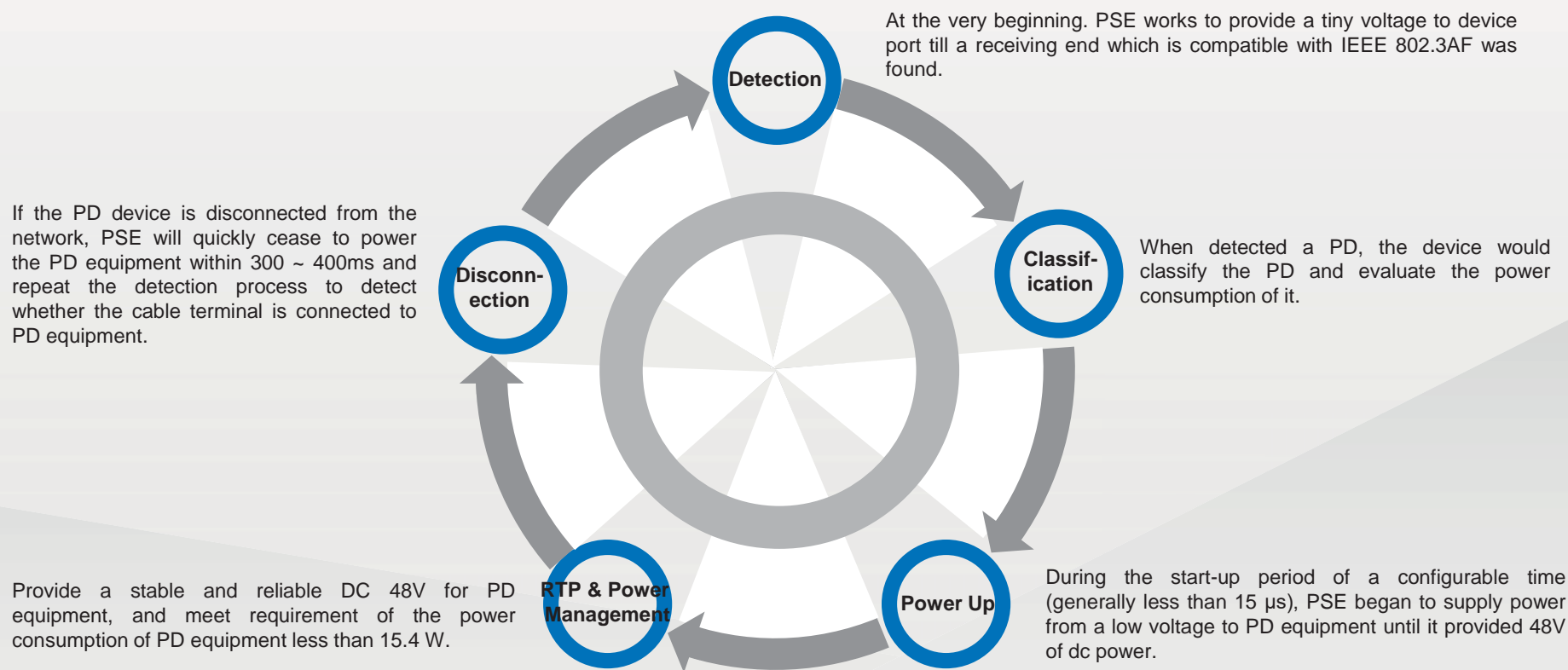
- **Switch ethernet**
 - Serie industriale
 - Serie standard
 - Serie rack
- **Ethernet extenders**
 - Eth over coax
 - Conv. rame/fibra
 - Access point
- **Accessori**
 - Alimentatori e splitter Poe
 - Isolatori
 - Moduli SFP



- Alimentazione **Poe/PoE+/PoE++** (fino a 90W)
- Accentra i segnali provenienti dal campo (downlink)
 - Distanza e affidabilità di collegamento
 - Protezione dalle sovratensioni
- Comunica verso il resto dell'impianto (NVR, etc.) con porte di uplink
- Utilizza connessioni veloci (1/10G) in rame o fibra ottica



PoE: IEEE 802.3 af/at: sequenza di alimentazione



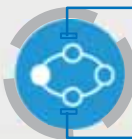
Impostazioni dirette e specializzate per TVCC

LE FUNZIONI “One-key Smart”



One-key CCTV + extended range

- Isolate communication between port 1 to 24. Optimized flow control, smoother video.



One-key Fast Ring

- Enable fast-ring group 1. (Formed by Port 25 & 26)



One-key Lock

- Lock the authentication port device to prevent illegal access to equipment and make system more secure



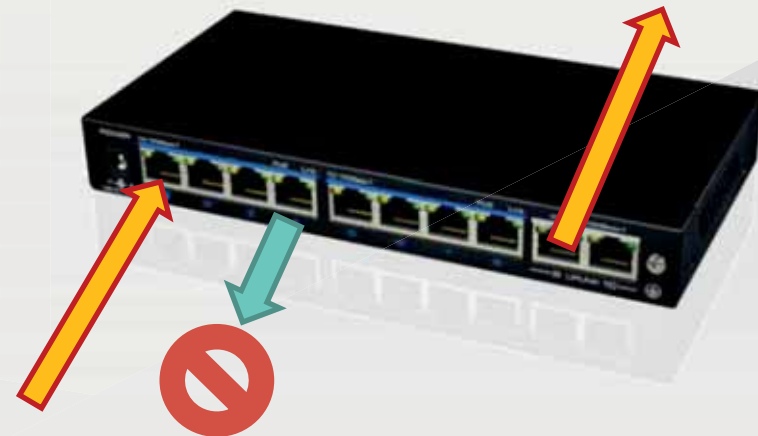
Watchdog: One-key Online

- 24-hour online monitoring device, if it occur crash fault, it will reboot automatically. (PoE watchdog)



One-key CCTV + estensione range 250m

- Porte di downlink superano lo standard ethernet=100m
- Extended range: 150m/250m (default/CCTV mode)
- Modalità TVCC: isolamento delle porte di download



Funzionalità della modalità TVCC



One-key CCTV

Port Isolation

Isolate downlink port, only can send data to uplink port, it improves the efficiency of data forwarding.

Broadcasting Storms Relieving

Auto identify and filter broadcast packet to prevent network paralysis from broadcast storm. It ensures the enough bandwidth and stable and normal performance of system.

Long Transmission Distance

After enable, the bandwidth of the port is changed to 10M, while the transmission distance is extended to 250 meters.



Ridondanza d'anello in un click!

One-key Fast Ring



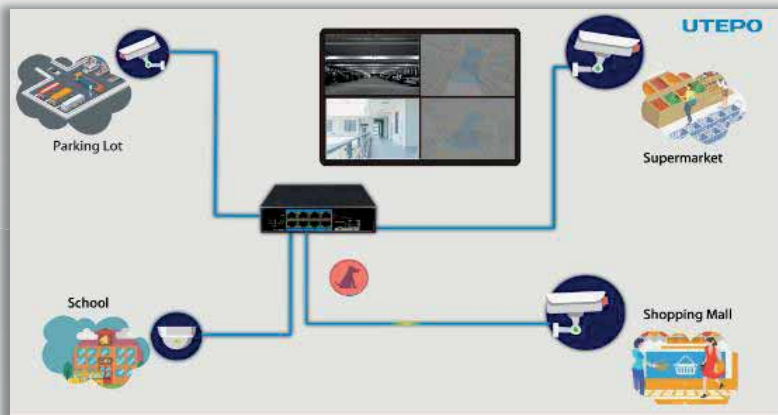
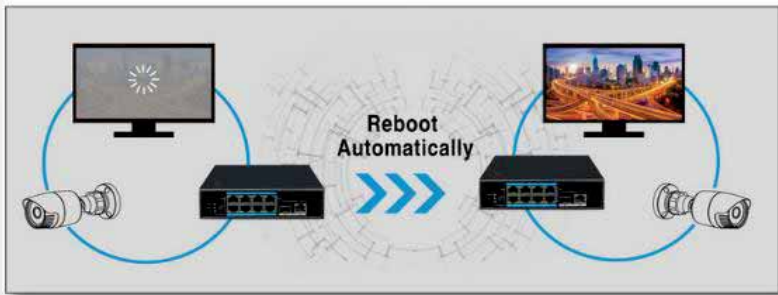
- Fast Ring
- Self-healing Time < 20ms

- Multi-group of Ring Network
- Support dual link

- Multilevel Series
- Support ring network installed by max 30pcs switch in series



Watchdog: One-key Online



Watchdog Function

With the **POE watchdog** function, the POE switch will detect the IP camera, and **restart the IPC automatically** if it's stuck or frozen.

Improve the security, specially designed for CCTV.

we are now adding this function to most models in 2019.



Indicazione luminosa del livello di potenza erogato

PoE indicator light, working status is clear at glance

According to the top and interface panel indicator light colors could judge the output power and status of the switch. Administrator could adjust and optimize the network through observing the indicator light color.

Green stands for PoE output power within range of 0-70%;

Yellow stands for PoE output power within range of 70-80%;

Red stands for PoE output power within range of 80-100%.



3-Color PoE Indicator

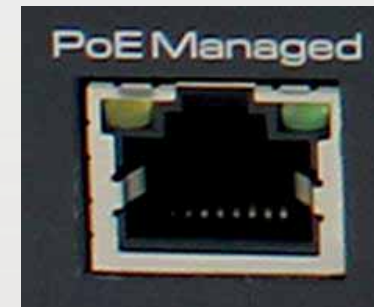


Controllo web della potenza erogata: PoE managed

Smart PoE Management



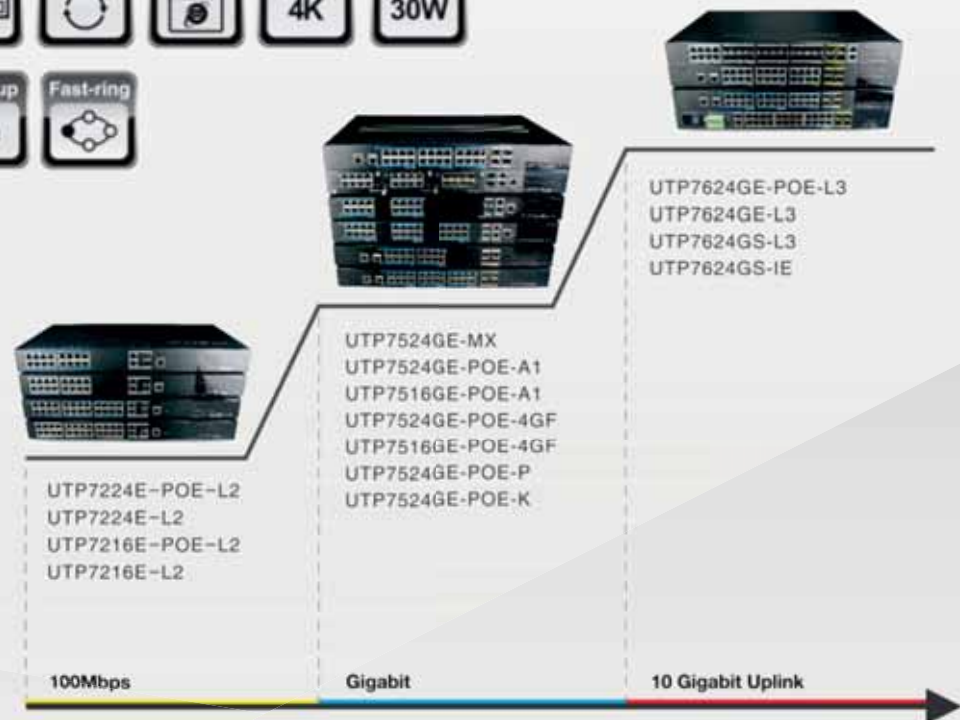
PoE管理 设置IP地址 修改密码 恢复出厂设置 设备信息 退出						
PoE设置						
输入功率	100 W	允许最大过载	5 %	预留功率	15 %	OK
电源状态						
实际输出	0.0 W	剩余	127.5 W	预留	22.5 W	输入 100 W
端口状态和限制						
端口号	ON	受电设备位置	优先级	允许最大输出功率 (W)	实际输出功率 (W)	OK
1	ON	port1	1	30.0	0.0	OK
2	ON	port2	1	30.0	0.0	OK
3	ON	port3	1	30.0	0.0	OK
4	ON	port4	1	30.0	0.0	OK
5	ON	port5	1	30.0	0.0	OK
6	ON	port6	1	30.0	0.0	OK
7	ON	port7	1	30.0	0.0	OK
8	ON	port8	1	30.0	0.0	OK
9	ON	port9	1	30.0	0.0	OK
10	ON	port10	1	30.0	0.0	OK
11	ON	port11	1	30.0	0.0	OK
12	ON	port12	1	30.0	0.0	OK
13	ON	port13	1	30.0	0.0	OK
14	ON	port14	1	30.0	0.0	OK
15	ON	port15	1	30.0	0.0	OK
16	ON	port16	1	30.0	0.0	OK
17	ON	port17	1	30.0	0.0	OK
18	ON	port18	1	30.0	0.0	OK
19	ON	port19	1	30.0	0.0	OK
20	ON	port20	1	30.0	0.0	OK
21	ON	port21	1	30.0	0.0	OK
22	ON	port22	1	30.0	0.0	OK
23	ON	port23	1	30.0	0.0	OK
24	ON	port24	1	30.0	0.0	OK



Switch ethernet da rack



- **Maggiori prestazioni**
 - Uplink fino a 10Gbps
 - Downlink fino a 1000Mbit
- L3/L2 managed (web)
- Fast ring protection
- Protezione sovratensioni
- MTBF 250kh (28anni)



Ridondanza della sezione di alimentazione

Redundant Power Supply



Redundant Power Supply, Special Lock Design

- Design of redundant power supply ensures the safety and stability.
- Special lock design for power port prevent from the risk of unintentionally pulled out.
- Excellent performance of anti-surge ensures normal operation in a harsh environment.

Support Dual High-performance Redundant Power Supply Modules

One power supply module as default, supporting hot plug;
Another one as optional and backup, to make sure the stability and compatibility of the system.



Controllo della temperature e velocità delle ventole



Silenziosità e affidabilità nel tempo

- Smart control the rotate rate of fan according to temperature of chipset and power supply, it effectively reduces the noise and prolong service life.



Livello di Potenza erogato

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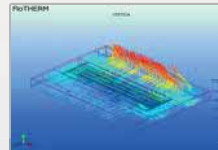
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Fan-less, High PoE Power Technology



➤ Fanless design



➤ 3-Color PoE indicator



➤ 350W high PoE power output



➤ L2 network management



Advanced Innovations: Utepo

Semplicità delle impostazioni layer 2/3 da interfaccia web



User-friendly Web Management

- Multiple Security Policy, Rich L2/L3 Web Management Function
- Support L2/L3 network management function including port management, QoS, Multi-cast, LACP, RSTP, static routing, RIP and OSPF etc. It is suitable to the networking system which is requesting for high security, smart and management.





Top di gamma: aggregazione 1000 telecamere

- AIVUSWI24G10P e AIVUSWI24G10
 - Backplane 128Gbps
 - Uplink 10Gbps
 - Downlink 1000Mbit (100 metri)
- L3/L2 managed (web)
- Fast ring protection
- Protezione sovratensioni



- **AIVUSWI24GP e AIVUSWI16GP**
 - Backplane fino a 56Gbps
 - Uplink 1Gbps
 - Downlink 1000Mbit
 - L3/L2 managed (web)
- Protezione sovratensioni



- AIVUSWI24PM, AIVUSWI16PM
- AIVUSWI24M, AIVUSWI16M
 - Backplane fino a 12,8 Gbps
 - Uplink 1Gbps
 - Downlink 100Mbit (120-150 metri)
- L3/L2 managed (web)
- Protezione sovratensioni



UTEPO™

Serie industriale



- Montaggio barra din
- Case alluminio dissipatore
- -40 / +75 gradi
- Fino a 250m (100 Mbit)



UTP7208E-POE-A1
UTP7208E-A1
UTP7204E-POE-A1
UTP7204E-A1

100Mbps



UTP7204GE-HPOE
UTP7204GE
UTP7304GE-POE
UTP7304GE
UTP7308GE-POE
UTP7308GE

1000Mbps



Advanced Innovations: Utepo

Caratteristiche tecniche degli switch industriali



Industrial Aluminum Shell

Corrugated Metal Shell Design

- Better heat dissipation
- Exquisite art
- Better protection

One-key PoE Recovery

- Reset the camera by clicking the reset button on the whole or single network port.
- It is easier to maintain the system maintenance by eliminating the cumbersome port setup.



PoE Recovery

Industrial RJ45 Port



Industrial Flat PINS Design, 30u Gold Plated RJ45 Port

- Increase contact area
- Keep the stable transmission of PoE
- Keep the efficiency of network transmission

Multiplex power input of DC/ Power terminal

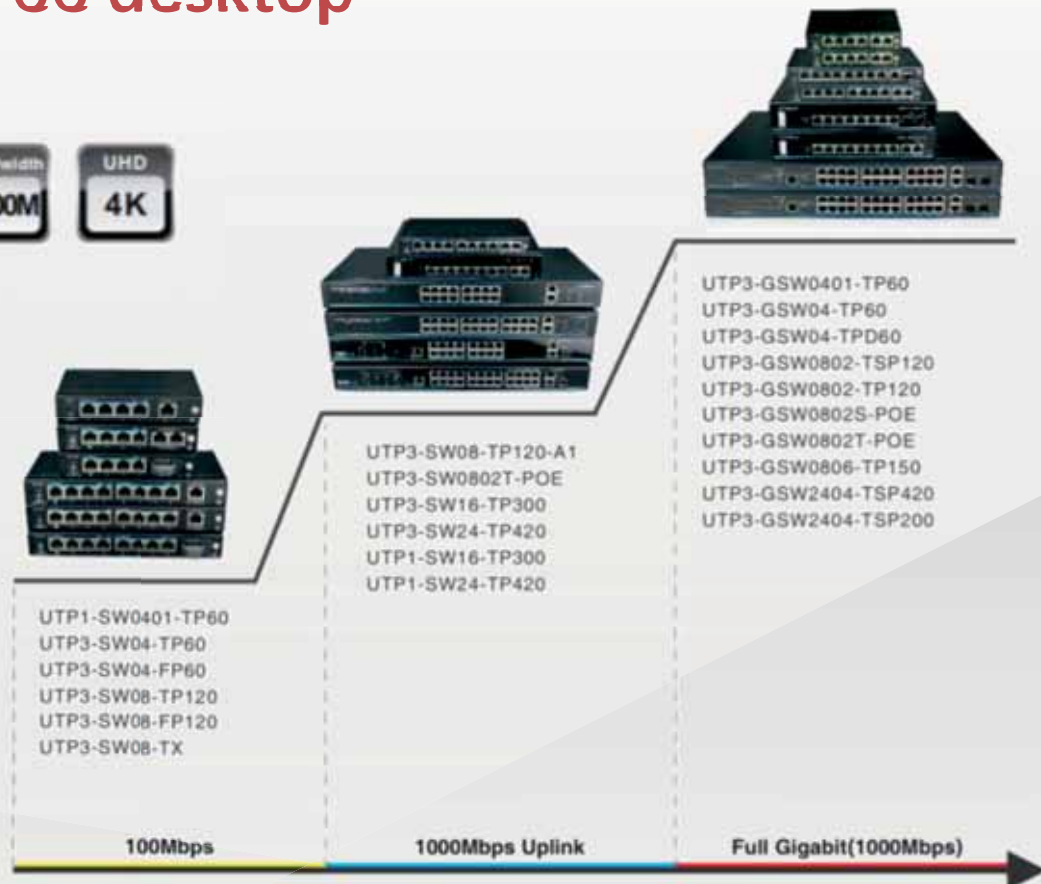
- Wide voltage input DC12-24V/ 48-57V
- Access to both electric supply and UPS.
- No electrospark & low voltage impulse

Redundant Power Supply





- Distanza 250m – modo TVCC
- Case alluminio slim
- PoE+ 30W
- Uplink gigabit
- -10 / +45 gradi



Particolari realizzativi



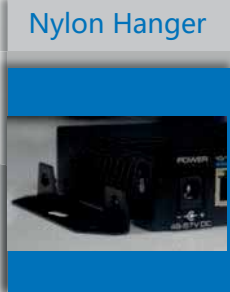
Power Interface

- Front power interface
 - Convenient for installation and management
- Wide input range of voltage
 - DC48-57V
- Safety & Reliability
 - No electrospark & low voltage impulse

- Flat PINS Design, Gold Plated RJ45 Port
 - Increase contact area
 - Keep the stable transmission of PoE
 - Keep the efficiency of network transmission



Flat RJ45 Port



Nylon Hanger

- High impact nylon hanger
 - Reduce the risk of device falling caused by rust of iron hanger.
 - Solve the problem of hard installation on irregular wall when using iron hanger.
- Keep a gap between device and wall
 - Effectively prevent the switch from condensate water
 - Ensure installation on irregular wall.



- Guard against theft
- Convenient for showcase



Kensington





Wireless Bridges

5.8G 20KM Wireless Bridge



CP5-1200

2.4G 1KM Wireless Bridge



CP2-300

5.8G 2KM Wireless Bridge



CP5-450

5.8G 3KM Wireless Bridge



CP5-900



UTEPO™

Wireless Bridges



□ Accoppiamento Unità

- Easy setting to match the master and slave bridge,
- No need extra setting by web,
- Convenient for the engineering;

□ Controllo web

- Support Web management
- Convenient to manage the devices

□ Low Interference

- The transmit power can be adjusted according to the actual environment.
- Supporting spread spectrum
- Effectively reduce mutual interference between devices



PoE Long-distance Transmission Technology

250m

One-key CCTV



400m

PoE Repeaters



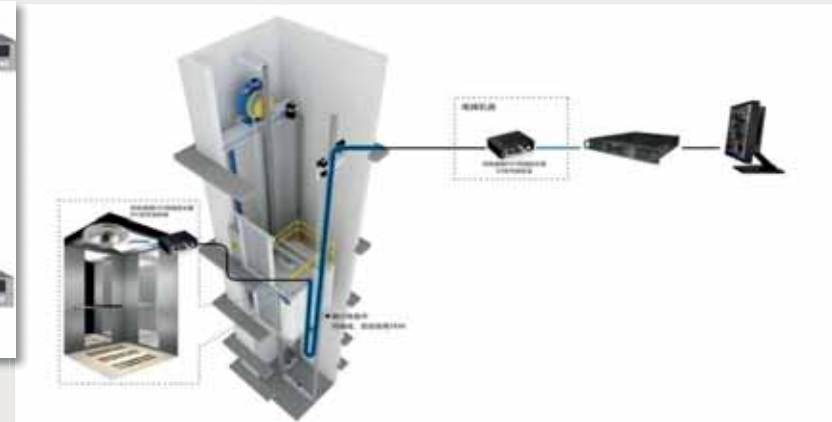
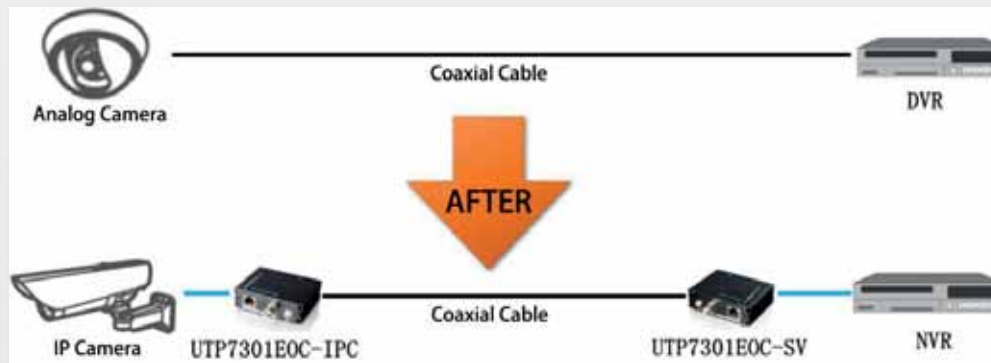
500m

EPOC



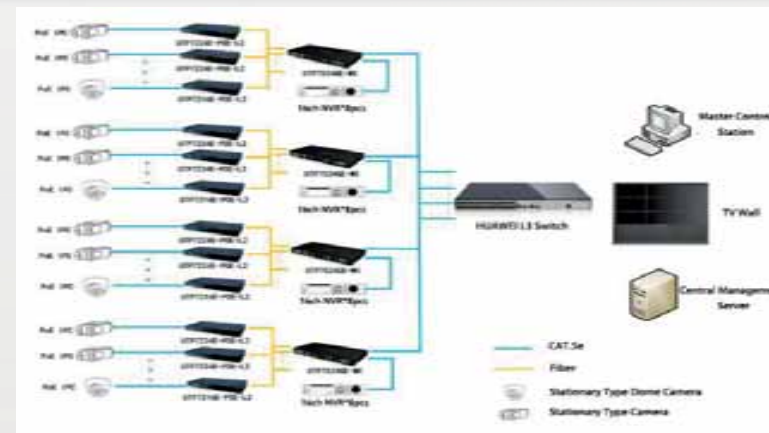
Solve the problems of network upgrading of simulation monitoring and elevator monitoring

EOC Transmission Technology



Successful case

Nantong Wanda Plaza Networking Surveillance Project

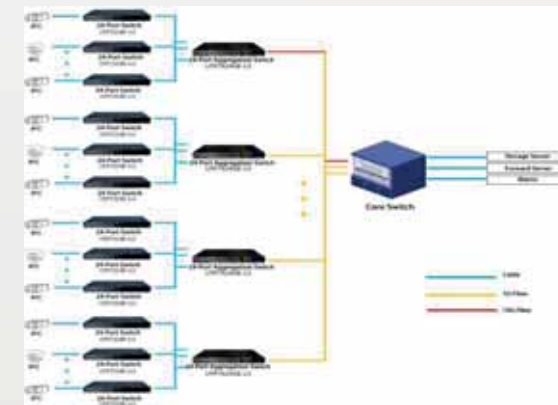


HD monitoring of thousand channel network

- Network HD Video Singal Transmission
- International PoE Standard
- Strong Expansibility & Stability

Advanced Innovations: Utepo

The First Affiliated Hospital of Xiamen University Networking Surveillance Project



- HD monitoring of thousand channel network

- 1000M for Access
- 10G for Aggregation

- L2 Management for Access Layer
- L3 Management for Aggregation Layer
- Routing Management for Core Layer

