

PoE Series

Stability and Efficiency in IP Surveillance Networks

Industrial PoE Managed Switch

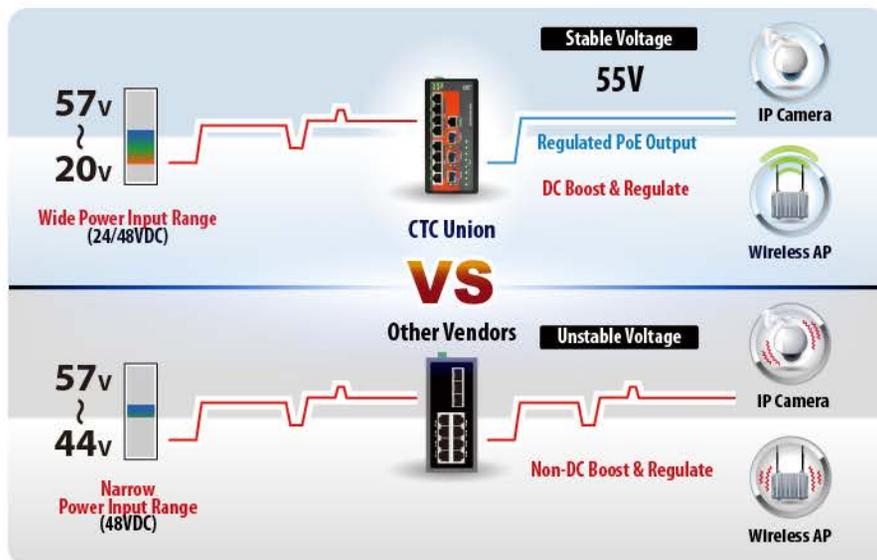
- Boost and Regulated for PoE Output to stabilize PoE device
- Advanced PoE Management- Auto Test & Auto Reset PD, Scheduling
- SmartView™ Management System
- SmartConfig™ Tool for Quick & Easy Setting
- u-Ring, Sub-Ring, u-Chain for Flexible Redundancy
- 5-Ring, 250 nodes expansion
- Recovery Time < 10ms



PoE (Power over Ethernet) capability enables PD devices such as surveillance cameras or wireless access points to be powered over standard twisted-pair Ethernet cable, eliminating the needs for requiring external power for PD devices. CTC Union provides a variety of PoE products, ranging from injectors, converters to managed switches to fulfill different application needs. All industrial PoE models are fanless and designed in robust IP30 housings that make them ideal for din rail installation or wall mounting. Additionally, PoE models all support IEEE 802.3af/802.3at standards which are able to provide up to 30W (use 50VDC or above input voltage) power supply per port. With power boost and regulation technology, PoE devices can offer 24~48V input range to provide the required 55V PoE output voltage for IEEE 802.3at.

High efficiency boost technology for PoE

- Regulated PoE output voltage (55VDC) to stabilize PoE device
- Guarantee delivery PoE power distance to 100meter
- Wide range input power 24/48VDC (20~57VDC)
- Built-in very high efficiency (94~97%) to boost PoE output voltage

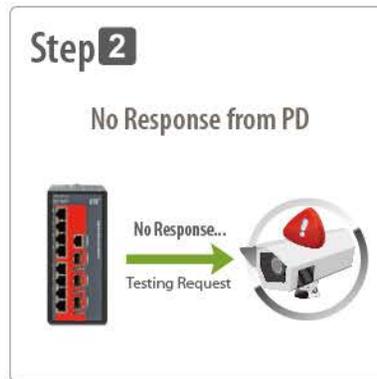


Remote PD Auto Test & Reset

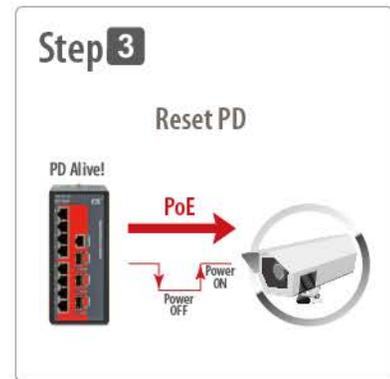
- PoE PD failure auto checking, and auto reset when PD fail.
- The features help the company to reduce operational expenses.



Our PoE Switch can regularly send test packets to the connected PD devices so that users can know the real-time condition of the remote PD devices without paying on-site visits.



If PoE Switch do not receive responses from the connected PD devices for a certain period.



The PoE switch can initiate a reset action automatically to power down and power up the connected PD devices.

Weekly PoE ON/OFF Scheduling

- Offer weekly PoE ON/OFF scheduling function to provide PoE to PDs
- Reduce operational expenses.

Scheduling

| Port 1 | SUN | MON | TUE | WED | THU | FRI | SAT |
|--------|-----|-----|-----|-----|-----|-----|-----|
| 08:00 | ON | OFF | OFF | ON | ON | ON | OFF |
| 08:30 | ON | OFF | OFF | ON | ON | ON | OFF |
| 09:00 | ON | OFF | OFF | ON | ON | ON | OFF |
| 09:30 | ON | OFF | OFF | ON | ON | ON | OFF |
| 10:00 | ON | OFF | ON | ON | ON | ON | OFF |
| 10:30 | ON | OFF | ON | ON | ON | ON | OFF |
| 11:00 | OFF | ON | ON | ON | OFF | OFF | OFF |
| 11:30 | OFF | ON | ON | OFF | OFF | OFF | OFF |
| 12:00 | OFF | ON | ON | OFF | OFF | OFF | ON |
| 12:30 | OFF | ON | ON | OFF | OFF | OFF | ON |
| 13:00 | OFF | ON | ON | OFF | OFF | OFF | ON |
| 13:30 | OFF | ON | ON | OFF | OFF | OFF | ON |
| 14:00 | OFF | ON | ON | OFF | OFF | OFF | ON |



PoE Applications



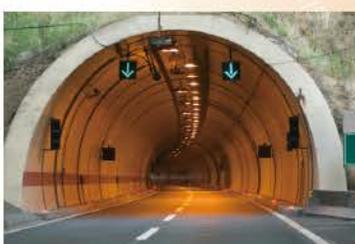
City Security



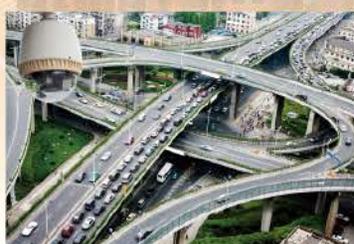
Bus Stop & E-Bus



Car Park Security



Intelligent Tunnel Transportation



Intelligent Highway Transportation



ETC