



Product Description

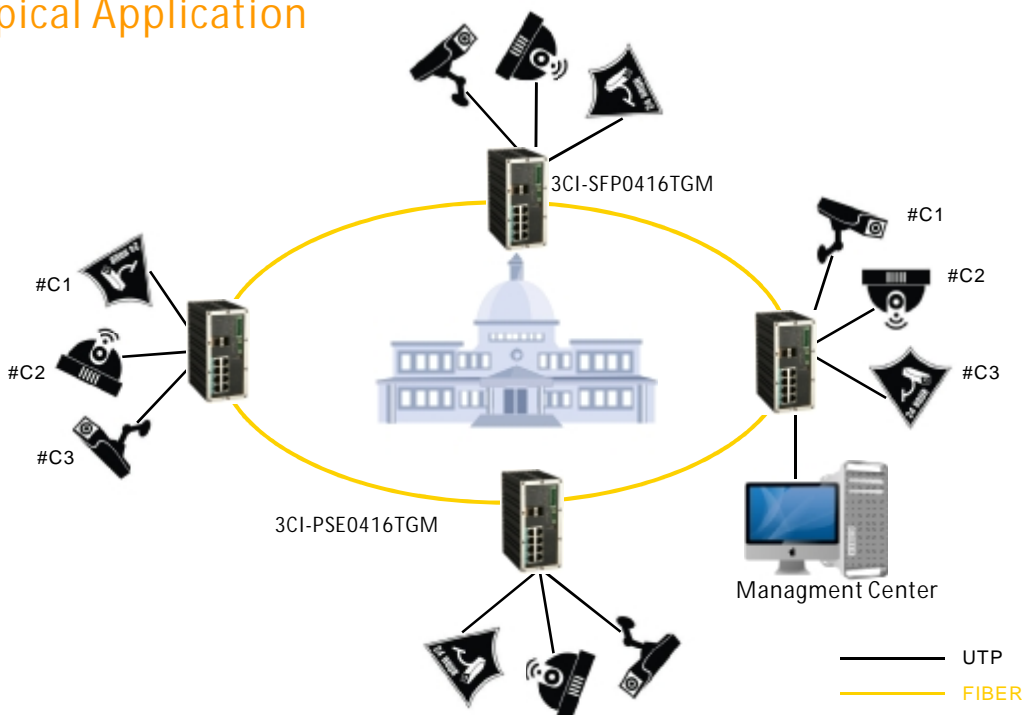
The 3CI-PSE0416TGM series is a high performance 20 port, industrial, managed gigabit Ethernet switch with sixteen 10/100/1000M PoE ports and four 10G SFP+ ports. The sixteen PoE ports support IEEE802.3af/at standard. The switch supports Ethernet Ring Protection Switching (ERPS) as well as STP/RSTP/MSTP. It also supports Web-based network management, VLAN, QoS, SNMP, IGMP snooping and other network functions. LED indicators provide the connection status when using SFP option. Rugged design with IP40 enclosure and industrial level 3 ESD protection makes it suitable for many applications such as Intelligent Transportation Systems, IP surveillance and industrial networks. The product is available in either DIN rail or wall-mount configurations.

Product Features

- 16* 10/100/1000Base-T Ethernet ports (PoE)
- 4* 10G SFP+ ports
- ERPS (typical recovery time < 30ms with 250 connected units)
- STP / RSTP / MSTP redundancy protocols and standards
- SNMPv1/v2c/v3 & RMON & Port base/802.1Q VLAN network management
- IGMP Snooping multicast function
- WEB, Telnet, SSH, Console (CLI)
- open and close port, binding MAC and port
- 802.1x network access control
- 802.1Q protocol, Isolate network flow
- Radius Centralized password management
- IEEE802.3af/at standard
- Overload current protection and reverse polarity protection
- IP40 enclosure protection
- Unique DIN mount design makes mounting and removal simple
- Both PoE and Non-PoE models are available



Typical Application





Specifications

Standards

IEEE Ethernet Standards	IEEE802.3, IEEE802.3u, IEEE 802.1ab, IEEE802.3z, IEEE 802.3x, IEEE 802.3ad, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s, IEEE 802.1x, IEEE 802.1ab
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Ports

10/100/1000MBase-T	16
10GBase-X SFP+ (1)	4

Switch Performance

Architecture	Store-and-forward
Bandwidth	120Gbps
Buffer	8Mbps
Mac Address Table	8192

PoE

Standard	IEEE802.3af/at
PSE Type	End-span
Power Pin Assignment	1 / 2 (+), 3 / 6 (-)
Power Output (2)	Each port up to 30W

Management

VLAN	4K VLAN; Port-based VLAN; 802.1Q VLAN protocol; Port enable/disable; Port rate settings
Port configuration	Full-duplex mode; Flow control;
Multicasting	SNMP V1/V2/V3 protocols; IGMP Snooping; IGMP multicast group:1024
Console Port	RJ45

Mechanical

Enclosure	Ip40
Dimension (W*L*H)	88mm * 142mm * 160mm
Weight	1.25KG

PoE Management

Total Power Consumption Control; PoE ON/OFF; Port Output Priority;

Security Feature

Enable/disable ports
MAC based port security
Port based network access control
VLAN (802.1Q)
Radius centralized password management
SNMP v1/v2c/v3 encrypted authentication and access security

Protocols

ERPS/STP/RSTP/MSTP, SNTP, 1588 PTP
DHCP Server/Client, MVR, IGMP v1/v2
GMRP, GVRP, SNMP v1/v2c/v3, TFTP, SMTP, RMON, RARP, HTTP, HTTPS, Telnet, SSH, Syslog
LLDP, IPv6, NTP Server/Client

Warning & Monitoring

Relay output for fault event alarming
Syslog to record and view events
Event selection support

Relay Output

1A@24VDC NC or NO

Power (3)

POE Power Input 48 ~ 57Vdc
Power Input 12~57VDC
Power Consumption < 12W (without PoE output)
POE Budget 240W
Overload Current Protection Yes
Reverse polarity protection Yes

Environmental

Operating Temperature -40 ~ +75Degree
Storage Temperature -40 ~ +85Degree
Operating humidity 5%~95% non-condensing

Protection

Surge 6KV, IEC61000-4-5
ESD ESD Level 4: IEC61000-4-2
RS Level 3: IEC61000-4-3
EFT Level 4: IEC61000-4-4
CS Level 3: IEC61000-4-6

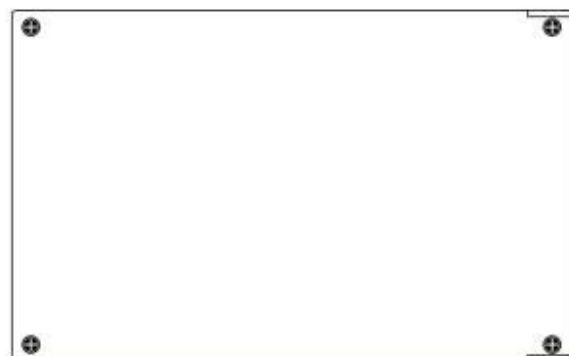
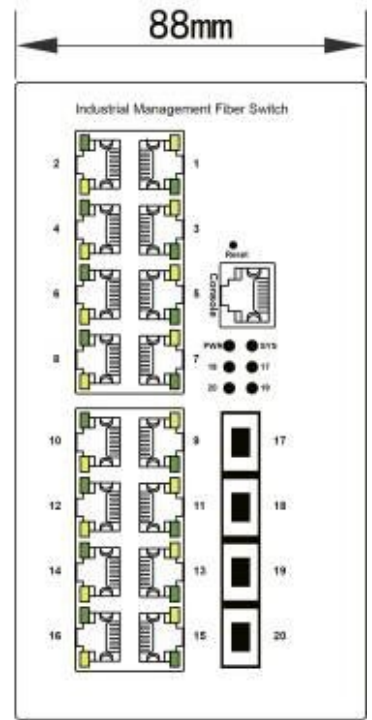
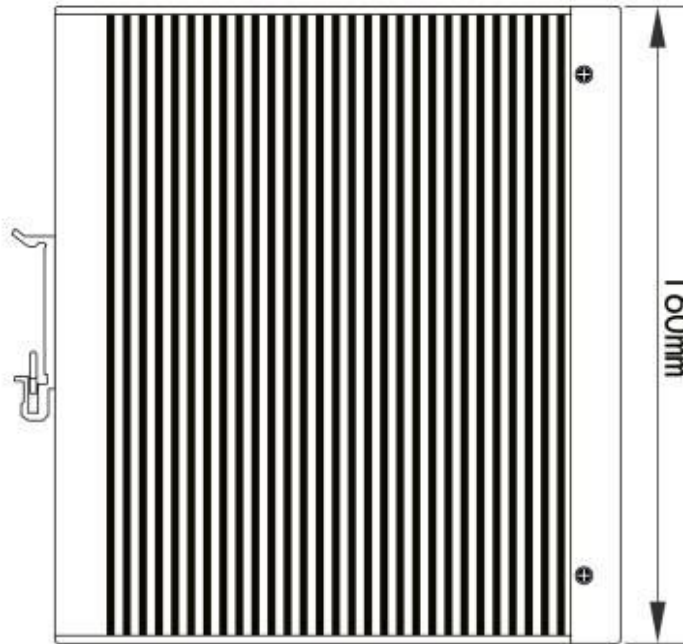
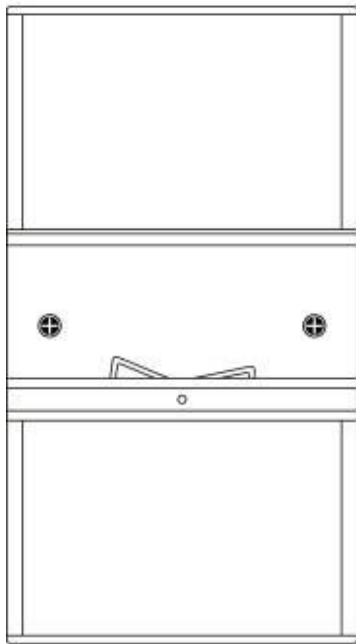
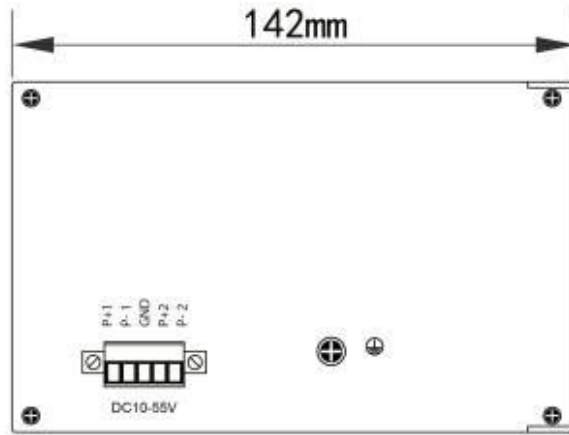
Order Information

3CI-SFP0416TGM	Managed, 16*10/100/1000 Base-T Industrial type, 4 *10G SFP+
3CI-PSE0416TGM	Managed, 16*10/100/1000 Base-T PoE/PoE+, 4* 10G SFP+

1. SFP+ module sold separately.
2. Each port supports maximum 30W output. Output can be managed via Web software.
3. Power supply sold separately.



Products Size



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