PoE24S-2F

High Performance, L2/L3 Fully Managed Gigabit Ethernet Switch, 24 PoE 10/100/1000 BaseTX 2 Optical 100 BaseFX or 1000 BaseX

- Provides 24 electrical PoE 10/100/1000 BaseTX and 2 Optical SFP 100 BaseFX or 1000 BaseX interface

- Provides up to 375 W of power and automatic sensing and power consumption classification for 24 remotely powered devices (PD), 15.4 W per port

- Compliant with IEEE802.3, IEEE802.3u and IEEE802.3af standards

- Performs wire speed Ethernet Switching function between all user ports, Ethernet 10/100/1000 BaseTX and 100 BaseFX or 1000 BaseX

- Traffic protection through STP (Spanning Tree Protocol)

- Quality of service (QoS) support with four traffic classes

- Full duplex, Half duplex, Flow Control

- Automatic address learning, address aging and address migration

- Support for up to 8K MAC address entries with automatic learning and aging

- Egress tagging/untagging selectable per port or by 802.1Q VLAN ID

- Port based VLANs supperted in any combination across multiple chips

- Port trunking support

- Software/Firmware field upgrade support, gold configuration backup and restore

- Network management system SUNCE

- SNMP v1/v2/v3 based network management Interface

- Management thought Embedded Web Server accessible via standard WEB browser

- User name and password based security

- 19" Rack and Desktop mountable metal housing, IP30 protection

- Front access to all user connectors, LED indication at front panel of device

- Extended temperature and tropicalized interior against excessive humidity

- Internal power supply, -48V DC or 220 V AC (option)

IRITEL
bright connections

Description

IRITEL PoE24S-2F is hardened, 26 ports, Gigabit Ethernet Switch, allowing transparent connectivity to PoE devices, including any IEEE802.3af-compliant end device. Ethernet Switch designed to operate in harsh environments.

TECHNICAL DATA

Ethernet Interface

According to IEEE 802.3 Ethernet 10/100/1000 BaseTX:

Interface type	duplex
Electrical characteristics	IEEE 802.3
Transfer	symmetrical
Range(UTP CAT5)	100 m
Isolation	1500 Vrms/50Hz/60s according to IEC EN 60950
Connector	standard RJ45

Power over Ethernet:

Power delivery mode	Mode A, phantom
Power range	Type 1
Maximum delivered power	15.40 W
Maximum power at PD	12.95 W
Maximum current	350 mA
Maximum cable resistance (CAT 3)	20 Ω
Voltage Range	44 - 57 V

Ethernet 100 BaseFX, 1000 BaseFX:

Transport type	duplex
Electrical characteristics	IEEE 802.3
Transport medium	single mode optical fiber multimode fiber (option)

Optical SFP Ethernet interfaces 1000 BaseFX

SFP Plug in Tranceiver Type 1	OI.GbE-AS
Connector type	LC
Transmitter type	1310 nm MQW FPLD
Output power	-10 to -3 dBm
Maximum spectral width of the optical tranceiver	2.8 nm (RMS)
Receiver type	PINFET
Guaranteed sensitivity of the optical receiver	Max -22 dBm
Maximum level of the input signal	-3 dBm
Section length	10 km
SFP Plug in Tranceiver Type 2	OI.GbE-A
Connector type	LC
Transmitter type	1310 nm DFPLD
Output power	-3 to +2 dBm
Maximum spectral width of the optical tranceiver	1 (-20 dB)
Receiver type	PINFET
Guaranteed sensitivity of the optical receiver	Max -22 dBm
Maximum level of the input signal	-3 dBm
Section length	40 km

Power

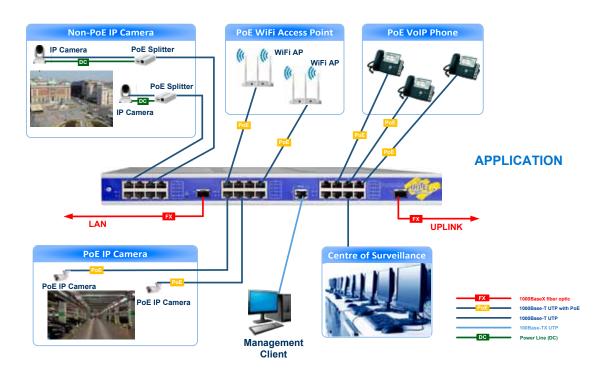|	
DC Power Supply	without PoE 48V (40 ~ 72V)
	with PoE IEEE 802.af, 48V (45 ~ 57V)
Dissipation (PoE not included)	up to 55 W

Environment conditions

Extended operation class	
Temperature	- 25º to +60º C
Relative Humidity	5-95% (non condensing)

System Configuration

1U Metal Case Dimension	440 mm x 210 mm x 45 mm (17.32" x 8.27" x 1.77")
Case Weight	2.85 kg

APPLICATION

FX	1000BaseX fiber optic
PoE	1000Base-T UTP with PoE
	1000Base-T UTP
	100Base-TX UTP
DC	Power Line (DC)