20101223
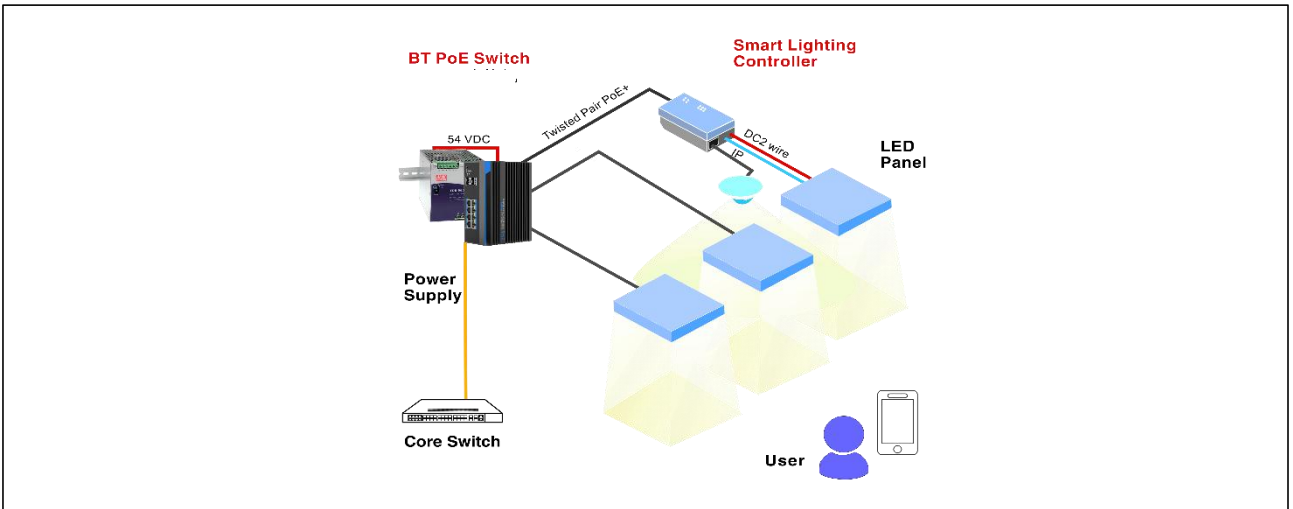

- 8*10/100/1000Mbps Ethernet PoE port +2*1000Mbps SFP Slots.
- Port 1-8 support IEEE802.3at/af/bt.
- Total PoE power budget is 480W, max PoE power for single port is 90W.
- Support Perpetual PoE and PoE watchdog.
- Support management function including DHCP, Fast-Ring, IPv6, etc.
- Support 1CH relay alarm output, fanless, wave metal shell, and low power consumption design.
- Support installation of DIN rail and wall mounted, adapting to all kinds of environments.
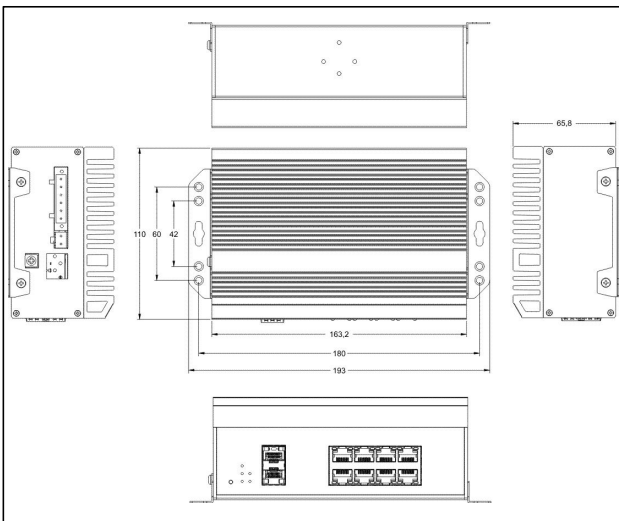
CE FC

Introduction

20101223, full gigabit Managed Industrial BT PoE switch, provides 8*10/100/1000Base-T Ethernet PoE port and 2*1000Base-X SFP Slots. And the port 1-8 support IEEE802.3af/at/bt, and Perpetual PoE technology. The max transmission distance is up to 250 meters when 10Mbps is set on the web management. The switch also supports abundant L2 managed function, including IGMP Snooping QVLAN, QoS, DHCP and Fast-ring and PoE control. In addition, the switch could be applied to lighting industry, security monitoring, enterprise park and other applications.
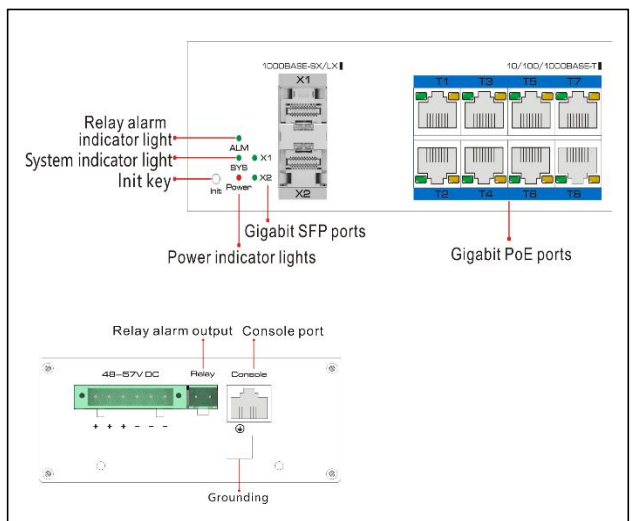
Application

Physical Features

Interface drawing

Hardware Specification

Model	20101223
Physical Port	
Downlink Ports	8*10/100/1000Base-T (PoE)
Uplink Ports	2*1000Base-X SFP Slots
Alarm Output	One channel relay alarm output, 1A@DC 12V, 2 cores, 5.08mm terminal
LED Indicator	8*Link/Act (Green), 8*PoE (Orange), 1*PWR (Red)
Switching Feature	
Standard and Protocols	IEEE802.3 , IEEE802.3u, IEEE802.3ab, IEEE802.3Z, IEEE802.3X, IEEE 802.1D, IEEE 802.1af/at/bt
Switching Capacity	20Gbps / non-blocking
Packet Forwarding Rate	14.9Mpps
Buffer	4Mbit
MAC Address Table	16K
Jumbo Frame	10K bytes
PoE	
PoE Standard	802.3af/at/bt(PSE)
PoE Line Pair	1/2/4/5(+), 3/6/7/8(-)
PoE Output Power	PoE output power for singe port≤90W, Total PoE power budget≤480W
Power Supply	
Input Voltage	DC 48V-57V
Power Consumption	≤20W (Not inlcude PoE)
Environment	
Surge Immunity	6KV Execute: IEC61000-4-5
ESD Immunity	6KV: Contact discharge 15KV: Air discharge Execute: IEC61000-4-2
IP Grade	IP40
Operating Temperature	-10-55℃
Storage Temperature	-40-85℃
Operating Humidity	5%-95% (Non-condensing)
Physical Parameter	
Dimension（L×W×H）	159mm×110mm×46.5mm
Weight	1558g±20g
Material	Aluminium alloy
Installation	DIN rail / Wall mounted
Number of Fans	N/A
Certification	CE, FCC

DIREKTRONIK

Software Specification

L2 Function	**PoE Management**	Perpetual PoE: The PoE is kept enabled and supplying power to PD even if you press the "reboot" for the switch, which reduces the problem of PD power failure caused by restart.
		POE watchdog: auto reboot the connected failure PD devices.
		Support total power consumption control
		Support PoE ON/OFF
		Support priority of port output power
	Port	Support port isolation and rate settings
		Support port storm suppression
		Support IEEE802.3x flow control
		Support port adaptation and traffic statistics
	LACP	Static LACP, Dynamic LACP
	VLAN	Support 4K VLAN
		Support 802.1Q Protocol-based VLAN
		Support Port-based VLAN
	QoS	Support QoS congestion management
		Support 8 hardware priority queues
		Support WRR
		Support 820.1P and DSCP priority
	ERPS	STP/RSTP
		Fast-ring
	DHCP	Support DHCP server
		Support DHCP snooping
		Support DHCP relay
	IGMP	Support IGMP SnoopingV1/V2
	Security	Support RADIUS authentication
		Support 802.1X authentication
	System Management	Support WEB management, configuration through Telnet, SSH
		Support FTP/TFTP/HTTP upgrading
		Support MAC address tables and traffic statistics
		Support IP address, DNS server change
		Support username& password change
		Support history record, journal management
		Support system settings backup
		Support factory default settings and restart

Package List

Item	Quantity
PoE Switch	1
Power Supply (Not included by default)	Optional
DIN-rail Mounting Kits	1
Hanging Bracket	1
User Manual	1
Warranty Card	1

Related Products

Item	Model
Gigabit PoE Injector (95W)	20101223