

4/8/16/24 Port PoE Switch

User's Manual V6

10/100M PoE Switch



4 + 2 10/100M PoE Switch



8 + 2 10/100M PoE Switch



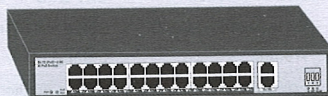
8 10/100M + 2 Gigabit PoE Switch



8 10/100M + 2 Gigabit + 1SFP PoE Switch



16 10/100M + 2 Gigabit + 1SFP
AI PoE Switch

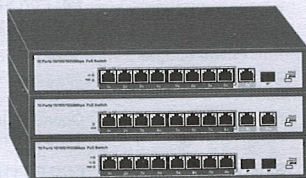


24 10/100M + 2 Gigabit AI PoE Switch

Gigabit PoE Switch



4GP + 1GE1GF/2GF Uplink
Gigabit PoE Switch



8GP + 1GE1GF/2GE/2GF Uplink
Gigabit PoE Switch

Important Safeguards & Warning

Attention:

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses

Note:

Do not expose the device to soot, high humidity or dust. Doing so may cause fire or electric shock.

Do not install the device in direct sunlight as it may cause overheating and failure.

Installation of the units should be via the compatible rack mount or securely on a flat surface.

Do not place the device on carpet to or around the unit, Doing so may cause overheating, failure or fire.

Do not place stack or place objects on the unit

This unit contains no user serviceable parts, Servicing should only be performed by approved technicians.

Warning:

Do not use a power supply other than the provided manufacture power supply. Failure to do so may cause unit failure and or damage.

Special Announcements:

This manual is reference only.

All the designs and software here are subject to change without prior written notice

Product Overview

Features:

Introduction:

This 4/8/16/24 ports PoE switch provides power and data from a single point, using Power over Ethernet(PoE) over a single Cat5 cable. It can be used for any 10/100/1000Mbps link PoE port with gigabit Uplink and supply industry-standard IEEE 802.3af /at power. Advanced auto-sensing algorithm gives power to 802.3af/at end devices, It also offer gigabit SFP Uplink(Optional) which can be the most economic solution for long distance data transmission.

In addition, the PoE switch automatically determines PoE requirements, speed, duplex. Easy to operate and reliable. It also provides a switch button to extend the Ethernet transmission distance of 4/8/16/24 POE Ethernet ports up to 250m which make the installation more flexible.

This PoE switch is ideal for powering PoE devices such as IP cameras, WLAN access points, IP phones, office access control systems, and other PD devices and offers a line of high quality products that provide a total solution for ethernet application in different environments.

Common features:

Two-layer commercial PoE switch.

Confirm to IEEE802.3i 、 IEEE802.3u、 IEEE802.ab、 IEEE802.z and IEEE802.3X standards

MAC auto study and aging, MAC address list capacity is 4K

All ports Self adapt MDI/MDIX mode

All the 10/100 and 10/100/1000Mbps self adaptive RJ45 PoE ports support IEEE802.3af and IEEE802.3at standards

Commercial Wide temperature design

Support 6KV ESD protection on all Ports

Appendix 1

Technical specification

Model	4 10/100M(PoE) +2 10/100M PoE Switch	8 10/100M(PoE) + 2 10/100M PoE Switch
Hardware Specifications		
Connector	6 10/100BASE-T RJ45	10 10/100BASE-T RJ45
PoE Port	4 10/100Mbps PSE port	8 10/100Mbps PSE port
LED indicators	Power Indicator: PWR(green).Network Indicator: Link(green) PoE Working Indicator: PoE(green)	
Switch Architecture	Store and Forward	
Backplane bandwidth	1.6Gbps	2.4Gbps
Packet forwarding rate	1.25Mpps	1.6Mpps
MAC address	2k	2k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W×D×H)	202mm x 104mm x 44.5mm	202mm x 104mm x 44.5mm
Weight	0.98Kg	1.1Kg
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T ; IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX ; IEEE802.3x Flow Control	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	1/2(+), 3/6(-) End-span	
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)	
PoE Power budget	65W	120W
Environment		
Environment specification	Operating temperature: -20℃~55℃ , operating humidity: 5%~95% Storage temperature: -40℃~75℃ , storage humidity:5%~95%	
Safety	FCC Part15 Class A,CE,RoHs	

Appendix 2

Technical specification

Model	8 10/100M +2 Gigabit PoE Switch	8 10/100M (PoE) +2 Gigabit +1 SFP PoE Switch
Hardware Specifications		
Connector	8 10/100BASE-T RJ45 2 10/100/1000BASE-T RJ45	8 10/100BASE-T RJ45 2 10/100/1000BASE-T RJ45 1 1000 Base-X SFP Slots
PoE Port	8 10/100Mbps PSE port	8 10/100Mbps PSE port
LED indicators	Power Indicator: PWR(green).Network Indicator: Link(green) PoE Working Indicator: PoE(green).SFP Indicator: Link(green)	
Switch Architecture	Store and Forward	
Backplane bandwidth	7.6Gbps	7.6Gbps
Packet forwarding rate	4.2Mpps	5.65Mpps
MAC address	4k	4k
Power requirement	AC100-240V 50/60Hz	AC100-240V 50/60Hz
ESD Protection	6KV ESD	
Dimension(W×D×H)	202mm x 104mm x 44.5mm	202mm x 104mm x 44.5mm
Weight	1.1Kg	1.1Kg
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T ; IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX ; IEEE802.3x Flow Control	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	1/2(+), 3/6(-) End-span	
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)	
PoE Power budget	120W	120W
Environment		
Environment specification	Operating temperature: -20℃~55℃ , operating humidity: 5%~95% Storage temperature: -40℃~75℃ , storage humidity:5%~95%	
Safety	FCC Part15 Class A, CE, RoHS	

Appendix 3

Technical specification

Model	16 10/100M (PoE) +2 Gigabit +1SFP AI PoE Switch	24 10/100M (PoE) +2 Gigabit AI PoE Switch
Hardware Specifications		
Connector	16 10/100BASE-T RJ45 2 10/100/1000BASE-T RJ45 1 1000 Base-X SFP Slots	24 10/100BASE-T RJ45 2 10/100/1000BASE-T RJ45
PoE Port	16 10/100Mbps PSE port	24 10/100/1000Mbps PSE port
LED indicators	Power Indicator: PWR(green).Network Indicator: Link(green) PoE Working Indicator: PoE(green)	
Switch Architecture	Store and Forward	
Backplane bandwidth	9.2Gbps	12.8Gbps
Packet forwarding rate	6.85Mpps	9.52Mpps
MAC address	8k	
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W×D×H)	280mm x 180mm x 44.5mm	
Weight	2Kg	2.3Kg
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T ; IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX ; IEEE802.3x Flow Control	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	1/2(+), 3/6(-) End-span	
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)	
PoE Power budget	200W	300W
Environment		
Environment specification	Operating temperature: -20℃~55℃ , operating humidity: 5%~95% Storage temperature: -40℃~75℃ , storage humidity:5%~95%	
Safety	FCC Part15 Class A,CE,RoHs	

Appendix 4

Technical specification

Model	4GP + 1GE1GF/2GF Gigabit PoE Switch	8GP + 1GE1GF/2GE/2GF Gigabit PoE Switch
Hardware Specifications		
Connector	4 10/100/1000BASE-T RJ45 2 Gigabit Uplink	8 10/100/1000BASE-T RJ45 2 Gigabit Uplink
PoE Port	4 10/100/1000Mbps PSE port	8 10/100/1000Mbps PSE port
LED indicators	Power Indicator: PWR(green).Network Indicator: Link(yellow) PoE Working Indicator: PoE(green).SFP Indicator: Link(yellow)	
Switch Architecture	Store and Forward	
Backplane bandwidth	12Gbps	24Gbps
Packet forwarding rate	8.93Mpps	16.37Mpps
MAC address	8k	
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W×D×H)	202mm x 104mm x 44.5mm	310mm x 180mm x 44.5mm
Weight	0.98Kg	1.4Kg
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T ; IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX ; IEEE802.3x Flow Control	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	1/2(+), 3/6(-) End-span	
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)	
PoE Power budget	65W	120W
Environment		
Environment specification	Operating temperature: -20℃~55℃ , operating humidity: 5%~95% Storage temperature: -40℃~75℃ , storage humidity:5%~95%	
Safety	FCC Part15 Class A,CE,RoHS	