

24-port Gigabit Ethernet 802.3at/af PoE Switch with 2-port Fiber SFP

PS2402G

Features:

- Comply with IEEE 802.3, IEEE 802.3u 10/100/1000Base-TX, IEEE 802.3x, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000BaseSX/LX, IEEE 802.3az Ethernet Standard
- 24 (10/100/1000Mbps), 2 (1000Mbps) SFP Fiber Switch
- Each Gigabit Switching UTP ports support auto-negotiation-10/100/1000Mbps
- Auto-MDI/MDI-X detection on each RJ-45 port
- Jumbo Frame: 10K byte (Max)
- Prevents packet loss with back pressure (half-duplex) and 802.3x PAUSE frame flow control (full-duplex)
- High performance Store and Forward architecture
- Provide 52Gbps switch fabric, non-blocking switch architecture
- 8K MAC address table, automatic source address learning and ageing
- 4.1Mbit packet buffering
- 19-inch rack mount with holder



Description:

Yoda PS2402G series provides 24 Gigabit Ethernet Switch ports with IEEE 802.3at/af PoE interfaces and 2 SFP open slots. It supports MDI / MDI-X convertible on 24-10/100/1000Mbps ports and provides PoE inject function on PoE ports which are able to IEEE 802.3af/at compliant powered devices remotely.

With its 52Gbps non-blocking switch fabric, 8K MAC Address table, and 802.3x, full-duplex flow control, the PS2402G series offers wire-speed packet transfer performance without risks of packet loss. All 24 Gigabit Ethernet RJ-45 copper interfaces support 10/100/1000Mbps and 2 Gigabit Ethernet SFP open slots support 1000Mbps auto-negotiation for optimal speed detection through RJ-45 Category 6, 5 or 5e cables or fibers. MDI/MDI-X auto detection is provided for direct wire connection to any Ethernet devices like switches, hubs, or workstations without requiring a crossover cables. Through the front panel LED indicators, users can easily tell the network connection status directly from the indicators.

The PS2402G series also provides a simple, cost-effective, and highly reliable network connection for data and power transmission. Furthermore, it is the ideal device for bridging among Fast Ethernet, Gigabit Ethernet workgroups and networks. It fits all kind of Ethernet installations such as campus, workgroup, department, enterprise, telecom or industrial applications.

Hardware Specifications:

Items	Specifications
10/100/1000 BASE-TX	24 RJ-45 Auto-MDI/MDI-X ports
100/1G SFP Slot	2 1000Base-LX/SX open slots (Port 25~26)
Packet buffer	4.1Mbit SRAM
MAC Table size	8K
Max Packet Size	10K Bytes
Switching capability	14880pps at 10Mbps, 148810pps at 100Mbps, 1488095pps at 1Gbps with 64bytes packets.
Switch capacity	52Gbps
Forwarding Rate	38.688Mpps
Switch Processing Scheme	Store-and-forward
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
19" Rack-Mount	Yes
Dimension	440(W) x 200(D) x 44(H) mm, 1U height
Weight	3.8kgs
Environmental Temperature	Operating: 0 ~ 50°C Storage: -20 ~ 70°C
Humidity	10% ~ 90% (non-condensing)
LED Display	Per Port : LINK (Green: Gigabit, Yellow:10/100M) Per Device : Power and System PoE : Enable (Green) / Disable (LED OFF)
Power Input	AC Power input (100V~240V), 5A 50-60 Hz
Power over Ethernet	
PoE Standard	IEEE 802.3at/af Power over Ethernet / PSE
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 56VDC, Max. 30 watts (802.3at)
PoE Pin Assignment	1/2(-), 3/6(+)
Power Budget	Max. 630 Watt

Hardware Specifications:

Items	Specifications
Standards Conformance	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet), IEEE 802.3z 1000BaseSX/LX IEEE 802.3x (full-duplex flow control) IEEE 802.3az (Energy Efficient Ethernet)

Ordering Information:

PS2402GU	26p GE, 2p SFP Switch, 24p 802.3at/af PoE, 630 watts DC power
PS2402GA	26p GE, 2p SFP Switch, 24p 802.3at/af PoE, 500 watts DC power
PS2402G	26p GE, 2p SFP Switch, 24p 802.3at/af PoE, 380 watts DC power
PS2402GL	26p GE, 2p SFP Switch, 24p 802.3at/af PoE, 250 watts DC power

Application Diagram:

