PS2420GT

24-port Gigabit PoE Switch with 2-port 10G SPF+ Fiber

Yoda PS2420GT series provides 24 Gigabit Ethernet Switch ports with IEEE 802.3at/af PoE interfaces and 2 10G SFP/SFP+ open slots. It supports MDI / MDI-X convertible on 24-10/100/1000Mbps ports and provides PoE injecting function on PoE ports which are IEEE 802.3af/at compliant.

With its 88Gbps non-blocking switch fabric, 16K MAC Address table, and IEEE 802.3x, full-duplex flow control, the PS2420GT 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/SFP+ open slots support 1/10Gbps 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 PS2420GT 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.
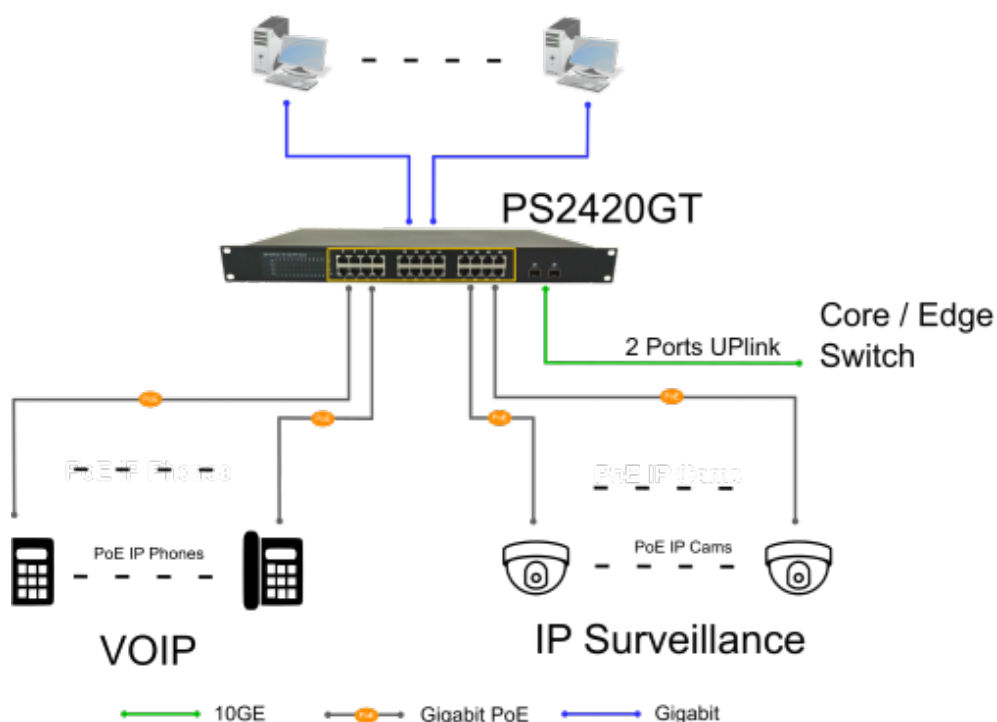
Key Features

- Unmanaged plug-and-play Gigabit Ethernet switching
- 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, and new IEEE802.3ae 10Gb/s Ethernet Standard 24 (10/100/1000Mbps), 2 (1/10Gbps) SFP/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 bytes (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 88Gbps switch fabric, non-blocking switch architecture
- 16K MAC address table, automatic source address learning and ageing
- 12Mbit SRAM packet buffering
- 19-inch rack mount with holder

Application

Providing up to 24 PoE, in-line power interface, the PS2420GT series can easily build a power central-controlled IP phone system, IP Camera system, AP group for the enterprise. For instance, 24 cameras / APs can be easily installed around the corner in the company for surveillance demands or to build a wireless roaming environment in the office. Without the power-socket limitation, the PS2420GT series makes the installation of cameras or WLAN AP easier and more efficient.

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Specification

Hardware Specification	
Ports	24 10/100/1000Base-TX RJ-45 Auto-MDI/MDI-X ports
Fiber Gigabit ports	2 * 1/10GBASE-SR/LR SFP+ slots
Switch Processing Scheme	Store-and-forward
Throughput (packet per second)	130.944Mpps
Switch Fabric	88Gbps
Address Table	Automatically learning, automatically Update 16K Table
Share data Buffer	12Mbits SRAM Packet buffer
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Dimensions (W x D x H)	440 x 200 x 44 mm, 1U height
Weight	3.8 kgs
Power Requirement	100~240 VAC, 0.5A, 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 56V DC, Max. 30 watts (802.3at)
Power Pin Assignment	1/2(+), 3/6(-)
Power Budget	Max. 630 watts (optional 150w or 250w, 380w, 500w, 630w internal power)
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)
	IEEE 802.3ae 10-Gigabit Ethernet

Front Panel

Rear Panel

Ordering Information	
PS2420GT-xxx	24p GE UTP and 2p 10G SFP/SFP+ Switch, 24p 802.3at/af PoE, Power xxx of 150, 250, 380, 500, 630w
PS2420GT-F230	24p GE UTP and 2p 10G SFP/SFP+ Switch, 24p 802.3at/af PoE, 230 watts power, fan-less.
LS2420GT	24p GE UTP and, 2p 10G SFP/SFP+ Switch, Non-PoE, un-managed Gigabit Switch

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