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IS180 Series

Unmanaged L2 Access Switch

Product Overview

The IS180 series Gigabit unmanaged Ethernet switches support wire speed forwarding on all ports. This highly integrated, lightweight, and easy-to-operate product is suitable for SMB market. Utilizing store-and-forward technology combined with dynamic memory allocation, it ensures efficient allocation to each port while flow control minimizes packet loss during transmission and reception. Based on Gigabit network technology, it effectively avoids network bottlenecks, demonstrating strong advantages in demanding network resource applications and exhibiting excellent network adaptability. Employing green Ethernet technology (802.3az), it automatically adjusts signal strength by detecting cable length and workload, effectively reducing energy consumption and protecting the environment without compromising equipment performance and efficiency.

The IS180 series switch includes IS180-6TP(V1), IS180-10TP(V1), IS180-10TP(V2), IS180-10TF(V1), IS180-20TP(V1), and IS180-28TP(V1) models.

Model Name	Specification
IS180-6TP (V1)	• 4*fixed 10/100/1000M PoE/PoE+ RJ45 ports • 2*fixed 10/100/1000M RJ45 ports • Wire-speed forwarding • Automatic MDI/MDIX detection • Plug-and-play • Built-in AC power supply
IS180-10TP(V1)	• 8*fixed 10/100/1000M PoE/PoE+ RJ45 ports • 2*fixed 10/100/1000M RJ45 ports • Wire-speed forwarding • Automatic MDI/MDIX detection • Plug-and-play • Built-in AC power supply
IS180-10TP(V2)	• 8*fixed 10/100/1000M PoE/PoE+ RJ45 ports • 2*fixed 1G SFP Fiber Ports • Wire-speed forwarding • Automatic MDI/MDIX detection • Plug-and-play • Built-in AC power supply
IS180-10TF(V1)	• 8*fixed 10/100/1000M RJ45 ports • 2*fixed 1G SFP Fiber Ports • Wire-speed forwarding • Automatic MDI/MDIX detection • Plug-and-play • Built-in AC power supply
IS180-20TP(V1)	• 16*fixed 10/100/1000M PoE/PoE+ RJ45 ports • 2*fixed 1G SFP Fiber Ports • 2*fixed 10/100/1000M RJ45 ports • Wire-speed forwarding • Automatic MDI/MDIX detection • Plug-and-play • Built-in AC power supply

IS180-28TP(V1)

- 24*fixed 10/100/1000M PoE/PoE+ RJ45 ports
- 2*fixed 1G SFP Fiber Ports
- 2*fixed 10/100/1000M RJ45 ports
- Wire-speed forwarding
- Automatic MDI/MDIX detection
- Plug-and-play
- Built-in AC power supply

Key Features

- **Non-blocking High-speed Forwarding**

The IS180 series switch is designed for non-blocking high-speed data forwarding across all its ports, providing an efficient and responsive networking experience. Whether you're dealing with data-intensive applications or demanding workloads, this switch guarantees smooth data flow, making it ideal for diverse networking scenarios.

- **Line-speed Forwarding on All Ports with MDI/MDIX Auto-crossover**

Every port on the IS180 series switch ensures line-speed data forwarding, delivering optimal performance for your network traffic. Additionally, the built-in MDI/MDIX auto-crossover feature eliminates the need for special crossover cables, making network connections hassle-free and straightforward. With this switch, expect high-speed data transmission without the complexities of cable management.

- **Universal Port Support**

This switch is a true plug-and-play solution, offering universal port support. All electrical ports are equipped to handle 10/100/1000 Mbps connections, ensuring flexible and adaptive network performance. You can seamlessly connect a variety of devices, from legacy equipment to modern high-speed systems.

- **PoE Supported, Powering Different Terminal Devices**

The switch automatically detects and supplies the required power for powered devices, providing up to 15.4 W for IEEE 802.3af-compliant devices, or up to 30W for IEEE 802.3at-compliant devices, meeting the requirements of common PoE applications such as security surveillance, teleconferencing, and wireless coverage. Moreover, the 1st port supports 802.3bt standard, Max. 60W PoE power output.

- **IEEE Standards Compliance**

Committed to industry standards, the IS180 series switch adheres to various IEEE standards, including IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, and IEEE 802.3az. This ensures that your network operates with the latest technologies and remains compatible with a wide range of networking equipment, promoting interoperability and future-proofing your infrastructure.

- **Reliable Data Transmission**

Built with a storage and forwarding exchange mechanism, the IS180 series switch guarantees the reliability of data transmission. This mechanism ensures that data packets are processed accurately and efficiently, reducing the chances of packet loss and enhancing overall network performance. Your data is in safe hands with this dependable switch.

Technical Specifications

Product Model	IS180-6TP (V1)	IS180-10TP (V1)	IS180-10TP (V2)
Physical Port	4*10/100/1000M PoE Ports 2*10/100/1000M RJ45 Ports	8*10/100/1000M PoE Ports 2*10/100/1000M RJ45 Ports	8*10/100/1000M PoE Ports 2*1G SFP Fiber Ports
External Dimensions (W*D*H)	200*118*44mm	200*118*44mm	220*161*44mm
Power Consumption	≤65W	≤100W	≤100W
POE Standard	Port 1: 802.3bt Ports 2-4: 802.3af/at	Port 1-8: 802.3af/at	Port 1: 802.3bt Ports 2-8: 802.3af/at
PoE Budget	60W	90W	90W
Power Supply	Input voltage (AC): 100V ~ 240V, 50Hz ~ 60Hz		
Temperature	Operating temperature: 0℃ to 45℃		
	Storage temperature: -40℃ to 70℃		
Humidity	Operating humidity: 10%-90%, non-condensing		
	Storage humidity: 5% to 95%, non-condensing		
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3az		
Product Model	IS180-10TF (V1)	IS180-20TP (V1)	IS180-28TP (V1)
Physical Port	8*10 /100/1000M RJ45 Ports 2*1G SFP Fiber Ports	16*10 /100/1000M PoE Ports 2*10/100/1000M RJ45 Ports 2*1G SFP Fiber Ports	24*10 /100/1000M PoE Ports 2*10/100/1000M RJ45 Ports 2*1G SFP Fiber Ports
External Dimensions (W×D×H)	204*140*44mm	320*207*45mm	440*204*44mm
Power Consumption	≤12W	≤300W	≤300W
PoE Standard	N/A	Port 1: 802.3bt Ports 2-16: 802.3af/at	Port 1: 802.3bt Ports 2-24: 802.3af/at
PoE Budget	N/A	285W	285W
Power Supply	Input voltage (AC): 100V- 240V, 50Hz-60Hz		
Temperature	Operating temperature: 0℃ to 45℃		
	Storage temperature: -40℃ to 70℃		
Humidity	Operating humidity: 10%-90%, non-condensing		
	Storage humidity: 5% to 95%, non-condensing		
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3az		

Order Information

Model	Description
IS180 Series Host	
IS180-6TP(V1)	4-Port 10/100/1000M PoE RJ45 interfaces, 2-Port 10/100/1000M RJ45 interfaces, 60W PoE/PoE+ Budget, Single AC Power
IS180-10TP(V1)	8-Port 10/100/1000M PoE RJ45 interfaces, 2-Port 10/100/1000M RJ45 interfaces, 90W PoE/PoE+ Budget, Single AC Power
IS180-10TP(V2)	8-Port 10/100/1000M PoE RJ45 interfaces, 2-Port 1G SFP fiber interfaces, 90W PoE/PoE+ Budget, Single AC Power
IS180-10TF(V1)	8-Port 10/100/1000M RJ45 interfaces, 2-Port 1G SFP fiber interfaces, Single AC Power
IS180-20TP(V1)	16-Port 10/100/1000M PoE RJ45 interfaces, 2-Port 1G SFP fiber interfaces, 2-Port 10/100/1000M RJ45 interfaces, 285W PoE/PoE+ Budget, Single AC Power
IS180-28TP(V1)	24-Port 10/100/1000M PoE RJ45 interfaces, 2-Port 1G SFP fiber interfaces, 2-Port 10/100/1000M RJ45 interfaces, 285W PoE/PoE+ Budget, Single AC Power

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