

8, 16, 24 and 48 Port PoE Gigabit Switch L2 Managed



SKU: 0200186

EAN:

FEATUES

The EC186 range of 8, 16, 24 and 48 port network switches are designed to meet all your converged data, video and voice networking needs. High performance, cost-effective commercial L2+ Managed PoE switch with 24* 10/100/1000Mbps PoE Ports + 4* 1000M RJ45 Ports(Combo) + 4*1000M SFP Ports (Combo) + 1 * RJ45 Console Port, complies with IEEE 802.3af/at standard, 400W PoE power budget, bandwidth is up to 56Gbps. The EC186 range of switches have powerful data processing capabilities and supports Routing, VLAN, Multicast, DHCP, Access Control, QoS, Storm Suppression plus other business functions, with complete and reliable security control and network protection, stable and reliable operation, can be used as an access/aggregation layer switch, widely used in small and medium-sized enterprises high-security, high-intelligence communication network and security video surveillance system. 400W PoE Power. The EC186 supports IEEE 802.3at/af standard. The total PoE power of the switch is 400W, and maximum PoE output power of each port is 30W. L2+Network, Management, Support Routing, DHCP, VLAN, MAC Address, ACL Access Control, QOS, Spanning Tree Protocol, Multicast, Storm Suppression, Ring Network Protection, IPV6\Link Aggregation. Bandwidth up to 56Gbps bandwidth, packet forwarding rate is 41.66Mpps ensures good forwarding stability, fast data processing speeds and excellent business support ability. Diversified Maintenance and Management Methods Support diversified management and maintenance methods such as Web network management, CLI command line (Console, Telnet), SNMP (V1/V2/V3). Adapt to Various Complex Environments. The EC186 has a steel case, is thermal conductive for improved cooling capability, 6KV port surge protection, 8KV anti-static protection, with -10C to +50C temperature range, supports mainstream standard protocols such as SNMP, MQTT, TR069 to achieve a wide range of compatible docking with NMS cloud platforms. By working with NMS cloud platform it can provide customers with various network management functions such as business deployment, equipment management, status monitoring, data analysis, and network maintenance.



SPECIFICATIONS

Input/output Port

AC INPUT	AC100-240V, 50/60Hz	AC100-240V/50-60Hz	AC100-240V, 50/60Hz	Input: AC 100-240V, 50/60Hz
Ethernet	8 * 10/100/1000Mbps PoE Port	16 * 10/100/1000Mbps PoE Port 2* 10/100/1000Mbps Uplink	24* 10/100/1000Mbps PoE Port	48* 10/100/1000Mbps POE Ports (Ports 1-8 support BT Power Supply)

	2* 1000Mbps SFP Port	Port	4* 1000M RJ45 Port(Combo)	4* 10G SFP+ Port
	1 * RJ45 Console Port	2* 1000Mbps SFP Port	4*1000M SFP Port (Combo)	1* RJ45 Console Port
		1 * RJ45 Console Port	1 * RJ45 Console Port	1* USB serial Port

Performance

Bandwidth	20Gbps	40Gbps	56Gbps	176Gbps
Packet Forwarding rate	14.88Mpps	29.76Mpps	41.66Mpps	512MByte
DDR SDRAM	128MB	128MB	128MB	16Mbit
Flash Memory	16MB	16MB	16MB	32MByte
Packet Buffer Memory	4M	4M	4Mb	131Mpps
MAC Address	8K	8K	8K	32K
Jumbo frame	9.6Kbytes	9.6Kbytes	9.6Kbytes	12Kbytes
VLANs	4096	4096		4096

Standard

Network Protocols	IEEE 802.3: Ethernet MAC Protocol	IEEE 802.3: Ethernet MAC Protocol	IEEE 802.3: Ethernet MAC Protocol	IEEE802.3 Ethernet MAC Protocol
	IEEE 802.3i: 10BASE-T Ethernet	IEEE 802.3i: 10BASE-T Ethernet	IEEE 802.3i: 10BASE-T Ethernet	IEEE802.3u 100BASE-TX Fast Ethernet
	IEEE 802.3u: 100BASE-TX Fast Ethernet	IEEE 802.3u: 100BASE-TX Fast Ethernet	IEEE 802.3u: 100BASE-TX Fast Ethernet	IEEE 802.3ab 1000BASE-T Gigabit Ethernet
	IEEE 802.3ab: 1000BASE-T Gigabit Ethernet	IEEE 802.3ab: 1000BASE-T Gigabit Ethernet	IEEE 802.3ab: 1000BASE-T Gigabit Ethernet	IEEE 802.3z 1000BASE-X Gigabit Ethernet (optical fiber)
	IEEE 802.3z: 1000BASE-X Gigabit Ethernet (optical fiber)	IEEE 802.3z: 1000BASE-X Gigabit Ethernet (optical fiber)	IEEE 802.3z: 1000BASE-X Gigabit Ethernet (optical fiber)	IEEE 802.3ae 10G Ethernet
	IEEE 802.3ad: Standard method for performing link aggregation	IEEE 802.3ad: Standard method for performing link aggregation	IEEE 802.3az: Energy Efficient Ethernet	IEEE802.3x Flow Control
	IEEE 802.3x: Flow control	IEEE 802.3x: Flow control	IEEE 802.3ad: Standard method for performing link aggregation	IEEE 802.3az Energy-efficient Ethernet
	IEEE 802.1ab: LLDP/LLDP-MED (Link Layer Discovery Protocol)	IEEE 802.1ab: LLDP/LLDP-MED (Link Layer Discovery Protocol)	IEEE 802.3x: Flow control	IEEE 802.3ad Standard method for performing link aggregation
	IEEE 802.1p: LAN Layer QoS/CoS Protocol Traffic Prioritization(Multicast filtering function)	IEEE 802.1p: LAN Layer QoS/CoS Protocol Traffic Prioritization(Multicast filtering function)	IEEE 802.1ab: LLDP/LLDP-MED (Link Layer Discovery Protocol)	IEEE 802.1AB LLDP/LLDP-MED (Link Layer Discovery Protocol)
	IEEE 802.1q: VLAN Bridge Operation	IEEE 802.1q: VLAN Bridge Operation	IEEE 802.1p: LAN Layer QoS/CoS Protocol Traffic Prioritization(Multicast filtering function)	IEEE 802.1D Spanning Tree Protocol(STP)
	IEEE 802.1x: Client/Server Access Control and Authentication Protocol	IEEE 802.1x: Client/Server Access Control and Authentication Protocol	IEEE 802.1q: VLAN Bridge Operation	IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
	IEEE 802.1d: STP	IEEE 802.1d: STP	IEEE 802.1x: Client/Server Access Control and Authentication Protocol	IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
	IEEE 802.1s: MSTP	IEEE 802.1s: MSTP	IEEE 802.1d: STP	IEEE 802.1Q (VLAN Bridge Operation)
	IEEE 802.1w: RSTP	IEEE 802.1w: RSTP	IEEE 802.1s: MSTP	IEEE 802.1p (VLAN Label)
			IEEE 802.1w: RSTP	

				IEEE 802.1X Client/Server Access Control and Authentication Protocol
				IEEE 802.3ad Standard method for performing link aggregation
PoE protocol	IEEE802.3af (15.4 W)	IEEE802.3af (15.4 W)	IEEE802.3af (15.4W)	IEEE802.3af (15.4W).
	IEEE802.3at (30 W)	IEEE802.3at (30 W)	IEEE802.3at (30W)	IEEE802.3at (30W), IEEE802.3bt (90W)
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A	EMI: FCC Part 15 CISPR (EN55032) class A	EMI: FCC Part 15 CISPR (EN55032) class A	EMI: FCC Part 15 CISPR (EN55032) class A
	EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT), EN61000-4-5 (Surge)	EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT), EN61000-4-5 (Surge)	EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT), EN61000-4-5 (Surge)	EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT), EN61000-4-5 (Surge)
Network Media	10BASE-T: Cat3、4、5 or above UTP(≤100 M)	10BASE-T: Cat3、4、5 or above UTP(≤100 M)	10Base-T : Cat3、4、5 or above UTP(≤100m)	10Base-T : Cat3、4、5 or above UTP(≤100m)
	100BASE-TX: Cat5 or above UTP(≤100 M)	100BASE-TX: Cat5 or above UTP(≤100 M)	100Base-TX : Cat5 or above UTP(≤100m)	100Base-TX : Cat5 or above UTP(≤100m)
	1000BASE-TX: Cat5 or above UTP(≤100 M)	1000BASE-TX: Cat5 or above UTP(≤100 M)	1000Base-TX : Cat5 or above UTP(≤100m) Multi-mode Fiber: 50/125、 62.5/125、100/140um Single-mode Fiber: 8/125、 8.7/125、9/125、10/125um	1000Base-TX : Cat5 or above UTP(≤100m) 10Base-T : Cat3、4、5 or above UTP(≤100m) 100Base-TX : Cat5 or above UTP(≤100m) 1000Base-TX : Cat5 or above UTP(≤100m)
Fiber Medium	Multi-mode Fiber: 50/125、62.5/125、 100/140um Single-mode Fiber: 8/125、8.7/125、9/125、 10/125um	Multi-mode Fiber: 50/125、 62.5/125、100/140um Single-mode Fiber: 8/125、 8.7/125、9/125、10/125um		
Certification				
Safety Certificate	CE、FCC、RoHS	CE、FCC、RoHS	CE、FCC、RoHS	CE、FCC、RoHS
Environmental standards				
Working Environment	Operating temperature: - 10~50°C	Operating temperature: - 10~50°C	Working Temperature: - 10~50°C	Working Temperature: - 10~50°C
	Storage temperature: - 40~70°C	Storage temperature: - 40~70°C	Storage Temperature: - 40~70°C	Storage Temperature: - 40~70°C
	Operating Humidity: 10%~90%, No condensation	Operating Humidity: 10%~90%, No condensation	Working Humidity : 10%~90%, non-condensing	Working Humidity : 10%~90%, non- condensing
	Storage Humidity: 5%~90%, No condensation	Storage Humidity: 5%~90%, No condensation	Storage Temperature: 5%~90%, non-condensing	Storage Temperature: 5%~90%, non- condensing
Function indication				

Indicator	PWR, SYS, PoE, Link/ACT	PWR, SYS, PoE/ACT, Link/ACT	PWR, SYS, PoE/ACT, Link/ACT	PWR (Power Indicator), SYS (system Indicator), Link (Link Indicator), ACT (ACT Indicator)
PWR (Power Indicator)	Lighting: Powered	Lighting: Powered		On: Powered On
	Un-Light: No Power	Un-Light: No Power		Off: Powered Off
SYS (System Indicator)	Flashing: System Start-up	Flashing: System Start-up		On: System On
	Lighting: System Running	Lighting: System Running		Flashing: System Off or Failed
PoE	Lighting: PoE on	Lighting: PoE on		
	Un-Light: PoE off	Un-Light: PoE off		
Link/ACT	Lighting: Link connection	Lighting: Link connection		On: Link Connecting
	Flashing: Data transmission	Flashing: Data transmission		Flashing: Data Transmitting
	Un-Light: Link disconnect	Un-Light: Link disconnect		Off: Link Off
Reset	Short press restart, long press 5 seconds to restore factory Settings	Short press restart, long press 5 seconds to restore factory Settings		