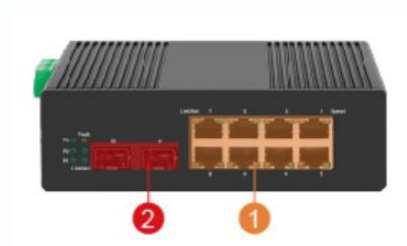# 8x1000Мбит/с PoE порта + 2x1000Мбит/с порта SFP + консольный порт управления

Промышленный управляемый L3/L2+ PoE коммутатор для работы в сложных условиях 8х1000 Мбит/с PoE портов, максимальная мощность PoE 30Вт на порт, + 2 SFP 1000Мбит/с порта, консольный порт управления, общий бюджет PoE до 240 Вт, автоматический PoE watchdog, внешний блок питания (в комплект не входит), грозозащита и защита от статического электричества, от -40°C до +75°C, IP40, защита от перегрева и короткого замыкания

Особенности

- Автоматический PoE ватчдог
- 8 гигабитных портов PoE до 30Вт на порт
- 2 гигабитный порта SFP
- Встроенная грозозащита
- IP40, защита от перегрева и короткого замыкания

Технические характеристики

Параметры	
Порты	1-8 : 10/100/1000 Мбит Мбит/с PoE порты до 30Вт 9-10: 100/1000 Мбит/с SFP 11 : Консольный порт управления 1 группа тревожных выходов и релейных выходов, пользовательские условия срабатывания
Скорость передачи данных	2000 Мбит/с полный дуплех, 10/100/1000 Мбит/с полудуплех
Расстояние	10/100/1000 Мбит/с при длине кабеля до 100 метров скорость составляет 1000 Мбит/с
Стандарты	IEEE 802.3i · IEEE 802.3u · IEEE802.3ab · IEEE802.3x · IEEE802.3z, IEEE802.3af、 IEEE802.3at
Коммутационная матрица	20 ГБит/с
Метод передачи	Store-and-Forward
Таблица MAC адресов	8K
Буфер	4 Mb
Power Supply Pin	Only support 1/2 (+), 3/6 (-) 4-core power supply
PoE	Порты 1-8: 1/2(+52В), 3/6(GND) ≤30Вт
Power Consumption	Standby:<10W;Full load:<240W
LED	System indicator:SYS(green) Network Indicator: Link (yellow) SFP Indicator: L/A (green) PoE Indicator: PoE (green)
Lightning Protection	Lightning protection: 6KV 8/20us; Protection level: IP40 IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-3(RS):10V/m(80~1000MHz) IEC61000-4-4(EFT): power cable: ±4kV; data cable: ±2kV IEC61000-4-5(Surge): power cable:CM±4kV/DM±2kV; data cable: ±4kV IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz) IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s IEC61000-4-9(pulsed magnet field):1000A/m IEC61000-4-10(damped oscillation):30A/m 1MHz IEC61000-4-12/18(shockwave):CM 2.5kV, DM 1kV IEC61000-4-16(common-mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022): Class A IEC61000-6-2(Common Industrial Standard)
Mechanical Properties	IEC60068-2-6 (anti vibration) IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)
Габариты	155x114.1x51.7мм
Диапазон рабочих температур	от -40°C до +75°C, относительная влажность от 5 до 90% (без конденсата)
Температура хранения	от -40°C до +85°C, относительная влажность от 5 до 90% (без конденсата)
Port	Support IEEE802.3x flow control (full duplex) Support for broadcast storm suppression based on port rate Support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps Support port temperature protection settings Support port EEE green Ethernet energy saving configuration
PoE Management	Support total power limit configuration for POE power supply Support PoE output power allocation per port, close / start af/at Support PoE output priority configuration per port Support PoE work status per port display Support PoE work and time scheduling
Layer 3 Function	L2+ network management function Support IPV4/IPV6 management Support layer3 soft routing (weak three tier) forwarding Support different network segments, communication between different VLAN Support static routing / default routing 128, 1024 ARP software forwarding
VLAN	Support port based VLAN (4K), IEEE802.1q Support protocol based VLAN Support Voice VLAN Support for MAC address-based VLANs Support Access, Trunk, Hybrid three types of port configuration
Port Aggregation	Support LACP Support static polymerization Support the largest 8 aggregation groups; each aggregation group supports 8 ports.

Технические характеристики

Параметры	
Spanning Tree	Support STP (IEEE802.1d) Support RSTP (IEEE802.1w) Support MSTP (IEEE802.1s
Industrial Ring Network Protocol	Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices per ring The self-healing time of the ring network is less than 20ms
Diagnostics	UDLD Syslog (RFC3164): Local RAM,Local Flash, 8 Remote Server Mirroring: 4 sessions port-based (Many to One) System Diagnostics: CPU Utilization, Memory Utilization, Port Utilization, Technical Support Log Network Diagnostics: Ping Test, Traceroute
Multicast	Support IGMP Snooping V1/V2 and support 1024 multicast groups at most Support the user's quick departure mechanism Support MLD Snooping V1/V2 Support multicast VLAN
Mirror	Bi-directional traffic mirroring supporting the basic port
QoS	Support Diff-Serv QoS Each port supports 8 output queues Support 802.1p/DSCP priority mapping Support queue scheduling mechanism (SP, WRR, SP+WRR) Support priority tag Mark/Remark Support stream based packet filtering Support for stream based redirection Support flow based speed limi
ACL	Support L2 to L4 packet filtering function, match the first 80 bytes of the message Provide based on the source MAC address, destination MAC address, source IP address, destination IP address, ACL IP protocol type, TCP/UDP port, TCP/UDP port range, VLAN and other definition Support ACL based on port and VLAN
Safety Characteristics	Support user grading management and password protection Support IEEE802.1X authentication / centralized MAC address authentication Support AAA&RADIUS authentication Support the number of MAC address learning restrictions Support MAC address black hole Support SSH 2.0 to provide secure passwords for user login Support SSL to ensure data transmission security Support port isolation Support the speed limit function of ARP message Support IP source address protection Support ARP intrusion detection function Support against DoS attacks Support port broadcast message suppression Support host data backup mechanism Binding capabilities of IP+MAC+VLAN+ ports
DHCP	Support DHCP Client Support DHCP Snooping
Management And Maintenance	Support Console/AUX Modem/Telnet/SSH2.0 CLI command line configuration Support WEB network management (HTTPS) Support FTP, TFTP, Xmodem, SFTP file download management Support SNMP V1/V2C/V3 Support one bond reduction Support NTP clock Support system work log Support Ping detection Support cable state detection Support CPU instant utilization status view Support link layer discovery protocol LLDP center
System Requirements	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later Cat5e or later Ethernet cable TCP/ IP, network adapter and network operating system (Microsoft Windows, Linux or Mac OS X) installed on on every computer in the network.
Примечание	Комплект поставки и любые технические характеристики могут быть изменены производителем в любое время без предварительного уведомления.