

KX-CSW16-PF

16-port 100 Mbps + 2-port Gigabit Managed PoE Switch

Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.



- Intelligent PoE
- Red port supports 90W IEEE802.3bt
- Web management with friendly interface and easy operation
- 250 m long distance PoE transmission
- PoE watchdog
- Plug and play



Performance	
Layer	Layer 2
Managed	Yes
Switching Capacity	8.8 Gbps
Packet Forwarding Rate	5.36 Mpps
Packet Buffer Memory	2.75 Mbit
MAC Table Size	4K
Communication Standard	IEEE802.3; IEEE802.3u; IEEE802.3x; IEEE 802.3ab; IEEE 802.3z
Hardware Feature	
Standard Power Supply	Yes
PoE	Yes
Ethernet Port	16
Optical Port	2
Ethernet Port Rate	100 Mbps
Optical Port Rate	1 Gbps
Number of Bussiness Card Slots	Port 1-16: 16 × RJ-45 10 M/100 M (PoE) Port 17-18: 2 × RJ-45 10 M/100 M/1000 M (uplink) Port 17-18: 2 × SFP 1000 M (uplink) (combo)
Debugging	Console × 1
Power Supply	100V–240V AC
Operating Temperature	–10 °C to +55 ° (14 °F to 131 °F)
Operating Humidity	10% RH–90% RH
Power Consumption	Idling: 10W Full load: 190W
PoE	
PoE Standard	IEEE802.3af/ IEEE802.3at/ Hi-PoE/IEEE802.3bt
PoE Budget	Port 1-2 ≤ 90W, Port 3-16 ≤ 30W, total ≤ 190W
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)

PoE Management	Power consumption management Power on and power off Power down for overload Green PoE Legacy support
Long Distance PoE Transmission	250 m long-distance power supply
Function	
Spanning Tree Protocol	IEEE 802.1d (STP); 802.1w (RSTP)
VLAN	IEEE802.1q Standard VLAN
Flow Control	Support IEEE 802.3x (full duplex flow control) and back pressure flow control (half duplex)
Link Aggregation	Static; LACP
Port Mirroring	One-to-one; multiple-to-one
Multicast	GMP snooping based on port
DHCP	DHCP client
Security	Hardware supports IP and MAC binding based on port, MAC filtering based on port, and IEEE802.1x port authentication
QoS	High and low priority WRR 802.1P DSCP Priority based on protocol
General	
ESD	Air discharge: 8kV Contact discharge: 6kV
Thunder-proof	Common mode: 4kV Differential mode: 2kV
Dimensions	440 mm × 300 mm × 44 mm (17.32" × 11.81" × 1.73") (L × W × H)
Packaging Dimensions	Packing box: 527 mm × 412 mm × 110 mm (20.75" × 16.22" × 4.33") (L × W × H) Protective box: 584 mm × 549 mm × 446 mm (22.99" × 21.61" × 17.56") (L × W × H)