

# KX-CSW16-PFG-230

## 18-Port Managed Gigabit Switch with 16-Port PoE

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.
- Large-capacity data cache (4Mbit) for real-time transmission and smooth video.
- All gigabit port design



Hardware	
Included Power Adapter	Yes
PoE	Yes
Ethernet Port	16
Ethernet Port Speed	10/100/1000 Mbps
Optical Port Speed	1000 Mbps
Ethernet Port Uplink Speed	10/100/1000 Mbps
Optical Port Uplink Speed	1000 Mbps
Description of Function Slots	Port 1-16:16 × 10M/100M/1000MBase-T (PoE); Port 17-18:2 × 10M/100M/1000MBase-T (uplink)(combo) Port 17-18:2 × 1000M SFP (uplink)(combo)
Debugging	1 × Console port
Reset Button	1
Power Supply	Built-in power supply: 100–240 VAC, 50/60 Hz, 4 A
Operating Temperature	0 °C to +45 °C (32 °F to 131 °F)
Operating Humidity	10%–90% (RH)
Storage Temperature	–20 °C to +70 °C (–4 °F to +158 °F)
Storage Humidity	5%–90% (RH), non-condensing
Power Consumption	265W
Performance	
Layer	Layer 2+
Management Type	Web (http and https protocol); CLI; SNMP V1/V2C/V3
Switching Capacity	56 Gbps
Packet Forwarding Rate	29.76 Mpps
Packet Buffer Size	12 Mbit
Jumbo Frame	10K
MAC Table Size	16K
VLAN Number	4K
VLAN Interface	32
IPv4 Routes	16
Dynamic ARP	303

Communication Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab	
Feature		
PoE Protocol	IEEE802.3af/ IEEE802.3at/ Hi-PoE/IEEE802.3bt	
PoE Power	Port 1-2 ≤ 90 W, Port 3-16 ≤ 30 W, Total ≤ 230 W	
PoE Power Consumption Management	Yes	
PoE Pin Assignment	Yes	
Long Distance PoE Transmission	Yes	
Spanning Tree Protocol	STP; RSTP; MSTP	
VLAN Function	Yes	
Link Aggregation	Yes	
Multicast	Yes	
ARP	Yes	
Equipment Management	Yes	
General		
Statics Protection	Air discharge: 8 kV	
Lightning Protection	Common mode: 6 kV	
Net Weight	3.1 kg (6.83 lb)	
Gross Weight	3.7 kg (8.16 lb)	
Product Dimensions	440 mm × 185.8 mm × 44 mm (17.32" × 7.31" × 1.73")	
Packaging Dimensions	469 mm × 265 mm × 83 mm (18.46" × 10.43" × 3.27")	
Casing Material	Electro Galvanized Steel Sheet	
Installation	Desktop mount; rack mount	
Certifications	CE; FCC	
Transmission Performance:		
Switch power supply voltage 53V. CAT5E/CAT6. Max. DC resistance < 10Q/100m		
Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt 90W		
100	71.3	100

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150	62	10
200	51	10
250	40	10
<b>Hi-PoE 60W</b>		
100	53	100
150	50	10
200	47	10
250	37	10
<b>IEEE802.3at 30W</b>		
100	25.5	100
150	25.5	10
200	25.5	10
250	25.5	10

**Note:** Data from this table was collected by KBVISION test lab and is for reference only . If there is inconsistency between field application and the table, the field result shall prevail.

#### Dimensions (mm [inch])

