

# KX-CSW24-4FG-240

28-Port Managed Desktop Gigabit Switch with 24-Port PoE



- Layer 2 network management PoE switch.
- Supports web, and network management software based on SNMP.
- Network redundancy: STP/RSTP.
- Supports PoE power consumption management, PoE power off management.
- Supports IEEE802.3af, IEEE802.3at.
- Port 1 and port 2 support IEEE802.3bt, and are compatible with Hi-PoE.
- Supports PoE watchdog.
- Supports 250 m long-distance transmission mode.



## Specification

### Hardware

Included Power Adapter	Yes
PoE	Yes
Ethernet Port	26
Optical Port	2
Ethernet Port Speed	10/100/1000 Mbps
Optical Port Speed	1000 Mbps
Description of Function Slots	Port 1-24: 24 × RJ45 10/100/1000 Mbps(PoE) Port 25-26: 2 × RJ45 10/100/1000 Mbps Port 27-28: 2 × SFP 1000 Mbps
Debugging	Console × 1
Reset Button	1
Power Supply	100-240 VAC, 50/60 Hz, 3.5 A
Operating Temperature	-10°C to 55°C (+14°F to +131°F)
Operating Humidity	5%–95% (RH)
Power Consumption	Idling load: ≤ 20 W; Full load: 240 W

### Performance

Management Type	Yes
MTBF	467125.73 hours
Switching Capacity	56 Gbps
Packet Forwarding Rate	41.664 Mpps
Packet Buffer Size	4.1 Mbit
Jumbo Frame	10K Byte

MAC Table Size	8K
VLAN Number	4K
VLAN Interface	10
Dynamic ARP	512
Communication Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ad

### Feature

PoE Protocol	IEEE802.3af (PoE); IEEE802.3at (PoE+); Hi-PoE; IEEE802.3bt (PoE++)
PoE Power	Port 1-2: ≤ 90 W Port 3-24: ≤ 30 W Total: ≤ 240 W
PoE Power Consumption Management	Yes
PoE Pin Assignment	1,2,4,5 (V+),3,6,7,8 (V-)
Long Distance PoE Transmission	Yes
Spanning Tree Protocol	STP; RSTP
VLAN Function	Yes
Link Aggregation	Static link aggregation; LACP
IEEE 802.3x Flow Control	IEEE 802.3X-based flow control (full-duplex)
Multicast	IGMP Snooping
DHCP Function	DHCP client DHCP-Server DHCP-Snooping
Security	IEEE 802.1x ACL
Equipment Management	WEB(http and https) SNMP V1/V2C/V3

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### General

Statics Protection	Air discharge: 8 kV; Contact discharge: 6 kV
Lighting Protection	Common mode: 4 kV; Differential mode: 2 kV
Net Weight	3.405 kg (7.51 lb)
Gross Weight	4.51 kg (9.94 lb)
Product Dimensions	440 mm × 300 mm × 44 mm (17.32" × 11.81" × 1.73")
Packaging Dimensions	525 mm × 410 mm × 110 mm (20.67" × 16.14" × 4.33")

### Transmission Performance:

Switch power supply voltage 53V.  
CAT5E/CAT6. Max. DC resistance < 10Ω/100m

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
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#### IEEE802.3bt 90W

100	71.3	1000
150	62	10
200	51	10
250	40	10

#### Hi-PoE 60W

100	53	1000
150	50	10
200	47	10
250	37	10

#### IEEE802.3at 30W

100	25.5	1000
150	25.5	10
200	25.5	10
250	25.5	10

### Dimensions (mm[inch])

