

KX-CDASW48G-Z4F

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



- Powerful L2 and L3 Features
- Enterprise-level Connectivity
- Intelligent Resilient Framework 2 (IRF2)

Technical Specification			
Hardware		Jumbo Frame	10K Byte
Included Power Adapter	No	MAC Table Size	16K
PoE	Yes	VLAN Number	4K
Ethernet Port	48 × RJ-45 10/100/1000 Mbps	VLAN Interface	512
Optical Port	4 × SFP+ 1/10 Gbps	DRAM Memory	256 MB
Ethernet Port Speed	10/100/1000 Mbps	Flash	32 MB
Optical Port Uplink Speed	1/10 Gbps	Communication Standard	IEEE 802.3; IEEE 802.3u; IEEE 802.3X; IEEE 802.3ab; IEEE 802.3z; IEEE 802.3ad; IEEE 802.3ae IEEE 802.1x, IEEE802.1D , IEEE802.1S , IEEE802.1W , IEEE802.1P, IEEE802.1Q, IEEE802.3ad
Description of Function Slots	Port 1-48: 48 × RJ-45 10/100/1000 Mbps; Port 49-52: 4 × SFP+ 1/10 Gbps	PoE	
Management port	1 × Micro-USB port 1 × Console port 1 × MGT port 1 × USB port	PoE Protocol	IEEE 802.3af; IEEE 802.3at
Hot Plug	Yes	PoE Power	Port 1-48 ≤ 30 W, total power ≤ 600 W
Power Supply	Built-in dual power supplies: 100–240 VAC, 50/60 Hz, 6 A	PoE Power Consumption Management	Power consumption management; power on and power off; power down for overload; green PoE
Operating Temperature	–5 °C to +45 °C (+23 °F to +113 °F)	PoE Pin Assignment	1, 2 (V+), 3, 6 (V-)
Operating Humidity	5%–95% (RH)	Features	
Storage Temperature	–40 °C to +70 °C (–40 °F to +158 °F)	Ring Network Protocol	STP/RSTP/MSTP PVST RRPP ERPS/COS/LACP/SNTP
Storage Humidity	5%–95% (RH)	Routing	Static routing IPV6 policed routing RIPv1/v2/ng OSPFv2/v3 Policy based routing
Fanless Design	No	VLAN Function	Port-based VLAN MAC-based VLAN Protocol-based VLAN Subnet-based VLAN QinQ, flexible QinQ VLAN Mapping Voice VLAN MVRP
Power Consumption	Idling: 37 W Full load: 354 W (Single Power) Idling: 37 W Full load: 685 W (Dual Power)	Link Aggregation	Static link aggregation Dynamic link aggregation Cross-device link aggregation Gigabit Ethernet port aggregation 10 Gigabit Ethernet port aggregation
Performance		IEEE 802.3x Flow Control	Yes
Layer	L3		
Management Type	Yes		
MTBF	50.24 years		
Switching Capacity	176 Gbps		
Packet Forwarding Rate	130.952 Mpps		
Packet Buffer Size	24 Mbit		

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Multicast	IGMP Snooping v1/v2/v3 PIM Snooping Multicast VLAN IGMP v1/v2/v3
Reliability	IRF; VRRP; DLDP; LLDP; VCT
ARP	ARP source suppression Dynamic ARP source detection ARP anti-attack ARP detection ARP rate limit
DHCP Function	DHCP Client DHCP Snooping DHCP Relay DHCP Server DHCP Snooping option 82 DHCP Relay option 82 DHCP Snooping Trust DHCP Snooping entry backup
Security	Multi-level user management and password protection 802.1X RADIUS SSH 2.0 Port isolation HWTACACS IP/Port/MAC binding IP Source Guard HTTPS Triple
QoS/ACL	802.1p/DSCP priority tag Packet filtering SP/WRR/SP+WRR queue scheduling Port-based rate limit Traffic-based redirection Time range
IPv6	ICMPv6 Traceroute v6 Telnet v6 SSH2 v6 ND/ND snooping/ND proxy/ND detection SAVI IPv6 Portal DNS Client for IPv6 SNMP for IPv6 RIPNG and OSPFv3 IPv6 policy routing MLD Snooping v1/v2 VRRP V3 DHCPv6 snooping/DHCPv6 client/DHCPv6 relay/ DHCPv6 server IPv6 port binding
Equipment Management	Load update files and update using Xmodem/FTP/ TFTP Configure through CLI, Telnet, and Console port SNMPv1/v2/v3 Web network management RMON alarm, RMON event, and RMON history System logs, multi-level alarms, and debug information HGMPv2 NTP Ping and Tracert VCT DLDP Port loopback detection Power supply, fan, and temperature alarms BFD

General

Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lighting Protection	Common mode: 1 kV Differential mode: 0.5 kV
Net Weight	≤ 9.5 kg (20.93 lb)
Product Dimensions	440 mm × 460 mm × 43.6 mm (17.32" × 18.11" × 1.72") (L × W × H)
Packaging Dimensions	608 mm × 576 mm × 180 mm (23.94" × 22.68" × 7.09") (L × W × H)
Casing Material	Sheet metal
Installation	Desktop mount; rack mount
Certifications	CE; FCC

Dimensions (mm[inch])

