KX-DSW24F1-4F10

· High performance and reliability; easy to manage and maintain
· 10 Gbps uplink and all-gigabit ports
· Various routing characteristics
· IRF2 intelligent resilient architecture
· Manage through the web client and CLI
· Supports functions such as port aggregation, Lay-2 VLAN, ACL, and QoS

Hardware	
Included Power Adapter	Yes
PoE	No
Ethernet Port	8
Optical Port	24
Ethernet Port Speed	10/100/1000 Mbps
Optical Port Speed	100/1000 Mbps
Optical Port Uplink Speed	1/10 Gbps
Description of Function Slots	Port 1-24: 24 × SFP 100/1000 Mbps; Port 17-24: 8 × RJ-45 10/100/1000 Mbps (Combo); Port 25-28: 4 × SFP+ 1/10 Gbps
Debugging	1 × Console 1 × MGT 1 × Micro-USB 1 × USB
Power Supply	Built-in dual power supplies: 100–240 VAC, 50/60 Hz, 2.5 A
Operating Temperature	−5 °C to +45 °C (+23 °F to +113 °F)
Operating Humidity	5%–95% (RH)
Storage Temperature	−40 °C to +70 °C (−40 °F to +158 °F)
Storage Humidity	5%–95% (RH)
Power Consumption	Idle: 15 W Full load: 45 W
Performance	
Layer	Layer 3
Management Type	Yes
MTBF	77.58 years
Switching Capacity	598 Gbps
Packet Forwarding Rate	128 Mpps
Packet Buffer Size	1.5 MByte
Jumbo Frame	10 KByte
MAC Table Size	16K
VLAN Number	4K
VLAN Interface	1K
IPv4 Routes	12K
Dynamic ARP	4K

Communication Standard	IEEE 802.3; IEEE 802.3u; IEEE 802.3X; IEEE 802.3ab; IEEE 802.3z; IEEE 802.3ad; IEEE 802.3ae
Features	
Spanning Tree Protocol	STP/RSTP/MSTP PVST RRPP
Routing	Static routing IPV6 policed routing RIPv1/v2/ng OSPFv2/v3 IS-ISv4/v6 BGP4/4+ ECMP Policy based routing
VLAN Function	Port-based VLAN; MAC-based VLAN; Protocol-based VLAN; Subnet-based VLAN; QinQ, flexible QinQ; VLAN Mapping; Voice VLAN; MVRP
Link Aggregation	Statc link aggregation; Dynamic link aggregation; Cross-device link aggregation; Gigabit Ethernet port aggregation; 10 gigabit Ethernet port aggregation
IEEE 802.3x Flow Control	Yes
Multicast	IGMP Snooping v1/v2/v3; PIM Snooping; Multicast VLAN; IGMP v1/v2/v3; PIM-DM, PIM-SM, PIM-SSM; MSDP
Reliability	IRF VRRP DLDP LLDP VCT
ARP	ARP source suppression Dynamic ARP source detection ARP anti-attack
DHCP Function	DHCP Client; DHCP Snooping; DHCP Relay; DHCP Server; DHCP Snooping opton82;

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

	DHCP Relay opton82; 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	Flexible queue scheduling algorithm includes SP, WRR, and SP+WRR (can be set based on the port and queue at the same time) Two-way ACL policy (in and out)
IPv6	ICMP v6; TRACEROUTE V6; TELNET V6; SSH2 V6; ND/ND snooping/ND proxy/ND detection; SAVI; IPV6 PORTAL; PMTU; DNS CLINET FOR IPV6; SNMP FOR IPV6; RIPng/OSPF V3/IS-ISv6/BGP4+; IPV6 policy-based routing; MLD SNOOPING v1/v2; IPv6 PIM DM/PIM SM/PIM SSM;

	VRRP V3; DHCPv6 snooping/DHCPv6 ;client/DHCPv6 relay/DHCPv6 server; IPv6 port binding; BFD for IPV6 (static routing, OSFPv3, BGP+)
Equipment Management	Load update files and update using FTP/TFTP; Configure through CLI, Telnet, Console port; SNMPv1/v2/v3; System logs, mult-level alarms, and debug information; NTPPower supply, fan, and temperature alarms; Ping and Tracer; LLDP; Port loopback detection

General

Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lighting Protection	Surge: 6 kV
Net Weight	<6 kg (13.23 lb)
Product Dimensions	440 mm × 360 mm × 43.6 mm (17.32" × 14.17" × 1.72") (L × W × H)
Packaging Dimensions	590 mm × 480 mm × 135 mm (23.23" × 18.90" × 5.31") (L × W × H)
Casing Material	Sheet metal
Installation	Desktop mount; rack mount