

DS-3E6600-48F2X-SA

DS-3E6603 LPU module, 48 Gigabit SFP Ports, 2 * 10GE SFP+ Ports



- Supports 1000BASE Ethernet Optical Interface Module (SFP,LC)+2-Port 10G Ethernet Optical Interface Module(SFP+,LC)

▪ Specification

Hardware Specifications	
Port	48 × Gigabit SFP port, 2 × 10 Gigabit SFP+ port
Switching Capacity	Port Performance: 960 Gbps Whole-Device Performance: 1440 Gbps
Packet Forwarding Rate	Port Wire-Speed Packet Forwarding Rate: 714.24 Mpps Whole-Device Packet Forwarding Rate: 1071.36 Mpps
MAC Address Capacity	32 K
Cache	16 Mbits
Dimensions (W × H × D)	436.60 mm × 40.60 mm × 210.00 mm (17.19" × 1.60" × 8.27")
Net Weight	2.105 kg (4.64 lb)
Gross Weight	3.071 kg (6.77 lb)
Operating Temperature	0°C to 50°C (32°F to 122°F)
Operating Humidity	5% to 95% (no condensation)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Storage Humidity	5% to 95% (no condensation)
Installation Mode	1U Rack Mounting (19" width)
Power Supply Method	Dual Power Input AC: 100~240 V, 50/60 Hz, 3.5~7 A
Surge Protection	10 kV
Packing List	Switch × 1 Regulatory Compliance and Safety Information × 1
Performance Specifications	
Flash Memory	256 MB
System Memory	1 GB
MAC Address Capacity	32 K
Jumbo Frame Size	12000
VLANs	4094
VLANIF Interfaces	768
IPv4 Routes	6144
IPv6 Routes	2048
ARP Entries	6144
System-wide L2 Multicast Entries	1024
System-wide L3 Multicast Entries	512
ACL Entries	1024
QoS Forwarding Queues	8
Service Features	
Flow Control	Supported
Link Aggregation	Supports static aggregation. Supports dynamic aggregation via LACP.
Auto-Negotiation	Gigabit SFP ports 1 to 48: 1G/100M rate adaptation 10 Gigabit SFP+ ports 49 to 50: 10G/1G rate adaptation

VLAN	Supports 4K VLANs. Supports port-based VLAN. Supports IP subnet-based VLAN. Supports QinQ. Supports flexible QinQ. Supports Super VLAN.
Multicast	Supports IGMPv1/v2/v3 Snooping.
STP	Supports STP (IEEE 802.1d). Supports RSTP (IEEE 802.1w). Supports MSTP (IEEE 802.1s).
ERPS	Supports G.8032 ERPS.
Private Loop Detection	Supported
Storm Control	Supported
Traffic Suppression	Supported
Mirroring	Supports local port mirroring. Supports N:1 port mirroring. Supports flow mirroring.
IPv4 Service	Supports Ping. Supports Traceroute. Supports DNS. Supports ARP. Supports ARP Proxy.
IPv4 Routing	Supports static routing. Supports OSPFv2. Supports RIPv1/v2. Supports equal-cost multi-path (ECMP) routing. Supports policy-based routing (PBR). Supports VRRP.
IPv6 Service	Supports Telnet6. Supports FTP6. Supports TFTP6. Supports Traceroute6. Supports Neighbor Discovery (ND). Supports Path MTU (PMTU) Discovery. Supports ICMPv6.
IPv6 Routing	Supports IPv6 static routing.
DHCP	Supports DHCP Client. Supports DHCP Snooping. Supports DHCP Snooping Option 82/DHCP Relay Option 82. Supports DHCP Relay. Supports DHCP Server.
Cable Detection	Supports virtual cable test (VCT).
802.1X Authentication	Supported
MAC Authentication	Supported
RADIUS	Supports RADIUS authentication.

ACL	Supports L2 to L4 packet filtering. Supports ACL definitions based on source/destination MAC address, source/destination IP address, IP protocol type, TCP/UDP port number or port range, VLAN ID, etc. Supports Time Range-based ACLs. Supports ACL application globally, on ports, or to VLANs. Supports Basic ACL, Advanced ACL, and MAC ACL configurations. Supports inbound, outbound, and VLAN-based ACLs.
QoS	Supports 802.1p/DSCP priority mapping. Supports queue scheduling mechanisms including SP, WRR, WFQ, SP+WRR, and SP+WFQ. Supports WRED. Supports priority marking and remarking. Supports flow-based packet filtering. Supports flow-based traffic statistics. Supports flow-based redirection. Supports flow-based rate limiting. Supports 8 queues per port.
Security	Supports DoS attack protection. Supports CPU protection. Supports IP Source Guard. Supports port isolation. Supports HTTPS. Supports ARP detection. Supports ARP source suppression. Supports ARP attack protection. Supports IP-MAC binding. Supports port security.
LLDP	Supports LLDP.
Operation Management	
Topology Display	Supported
Status Alarm	Supported
Management Platform	Supports device management via web. Supports device management via iVMS-4200 Client. Supports SADP. Supports device management via Unified Network Management Platform.
SSH	Supported
Telnet	Supported
SNMP	Supports SNMPv1. Supports SNMPv2c
Clock Management	Supports NTP.
RMON	Supported
sFlow	Supports counter sampling.
FTP	Supported
TFTP	Supported
DDM	Fiber optical ports support DDM.
Log	Supports system logs.

Approval

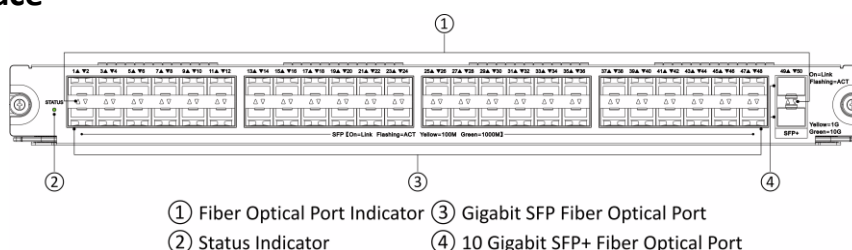
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020)
Safety	CB (IEC 62368-1: 2023, CE-LVD (EN 62368-1: 2024+A11: 2024)
Chemistry	Reach (Regulation (EC) No.1907/2006),WEEE (2012/19/EU),CE-RoHS (2011/65/EU)

Available Product

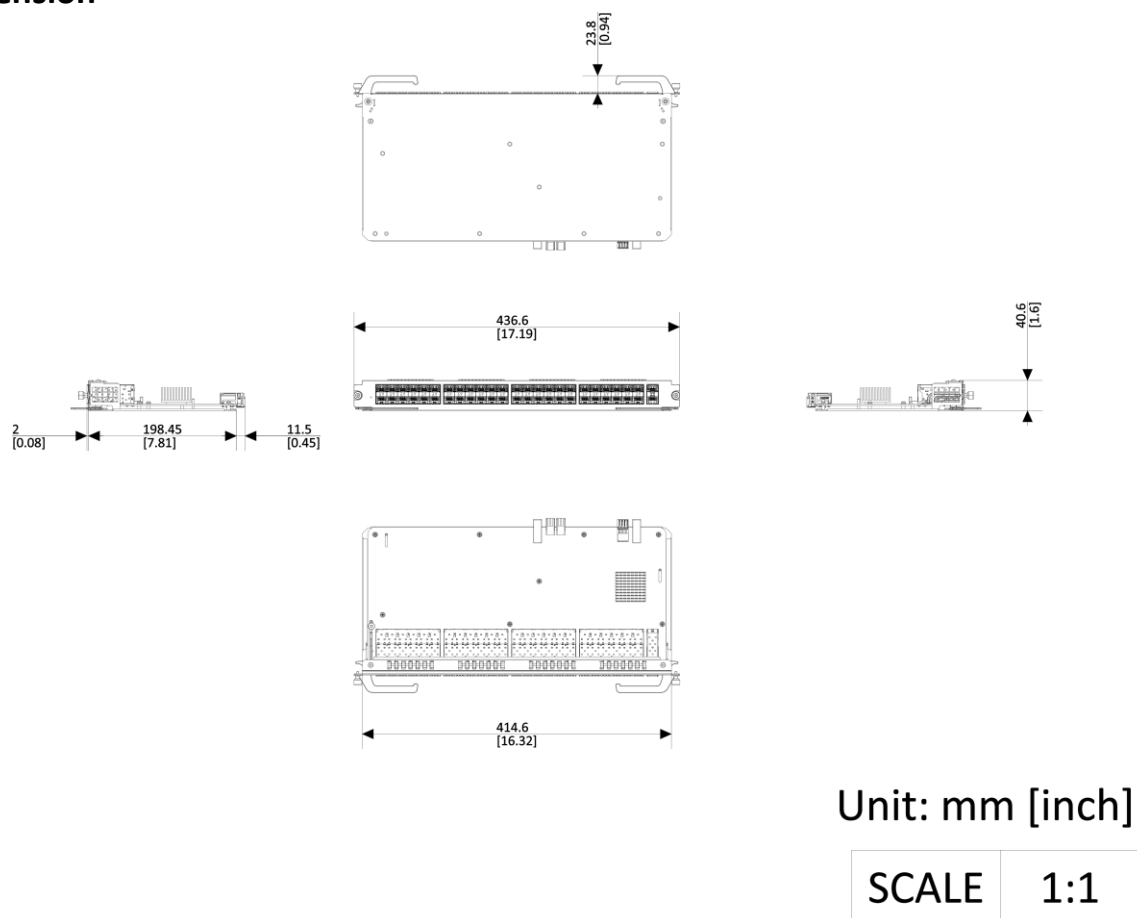
Interface Module Specifications

Product Model	Product Description	Compatible Chassis	Installable Slot
DS-3E6600-24T24F2X-SA	24 × Gigabit Ethernet port (RJ45) + 24 × Gigabit SFP port + 2 × 10 Gigabit SFP+ port	DS-3E6600	Slots 1 to 3
DS-3E6600-48F2X-SA	48 × Gigabit SFP port + 2 × 10 Gigabit SFP+ port	DS-3E6600	Slots 1 to 3
DS-3E6600-24T2X-SA	24 × Gigabit Ethernet port (RJ45) + 2 × 10 Gigabit SFP+ port	DS-3E6600	Slots 1 to 3
DS-3E6600-24F2X-SA	24 × Gigabit SFP port + 2 × 10 Gigabit SFP+ port	DS-3E6600	Slots 1 to 3
DS-3E6600-16X-SA	16 × 10 Gigabit SFP+ port	DS-3E6600	Slots 1 to 3
DS-3E6603-PWR550A	550 W AC power module	DS-3E6600	Slots PWR1 and PWR2
DS-3E6600-FAN	Fan module with rated power ≤ 40 W	DS-3E6600	Slot FAN1

Physical Interface



▪ Dimension



▪ Accessory

▪ Optional



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support@hikvision.com

