IKS-6728A Series

24+4G-port Gigabit modular managed PoE+ Ethernet switches



Features and Benefits

- 8 built-in PoE+ ports compliant with IEEE 802.3af/at (IKS-6728A-8PoE)
- Up to 36 W output per PoE+ port (IKS-6728A-8PoE)
- Turbo Ring and Turbo Chain (recovery time < 20 ms @ 250 switches)1, and STP/RSTP/MSTP for network redundancy
- 1 kV LAN surge protection for extreme outdoor environments
- · PoE diagnostics for powered-device mode analysis
- · 4 Gigabit combo ports for high-bandwidth communication
- -40 to 75°C operating temperature range at 720 W full loading
- · Supports MXstudio for easy, visualized industrial network management
- V-ON™ ensures millisecond-level multicast data and video network recovery

Certifications









Introduction

The IKS-6728A Series is designed to meet the demands of mission-critical applications for business and industry. The IKS-6728A and IKS-6728A-8PoE come with up to 24 10/100BaseT(X), or PoE/PoE+, and 4 combo Gigabit Ethernet ports. The IKS-6728A-8PoE Ethernet switches provide up to 30 watts of power per PoE+ port in standard mode, and also support high-power output of up to 36 watts for heavy-duty industrial PoE devices, such as weather-proof IP surveillance cameras with wipers/heaters, high-performance wireless access points, and rugged IP phones.

IKS-6728A-8PoE Ethernet switches support two types of power input sources: 48 VDC for PoE+ ports and system power, and 110/220 VAC for system power. These Ethernet switches also support a variety of management functions, including STP/RSTP, Turbo Ring, Turbo Chain, PoE power management, PoE device auto-checking, PoE power scheduling, PoE diagnostic, IGMP, VLAN, QoS, RMON, bandwidth management, and port mirroring. The IKS-6728A-8PoE is designed especially for harsh outdoor applications with 3kV surge protection to ensure the uninterrupted reliability of PoE systems.

Additional Features and Benefits

- · Advanced PoE management functions: PoE output setting, PD failure check, PoE scheduling, and PoE diagnostics
- Command line interface (CLI) for quickly configuring major managed functions
- DHCP Option 82 for IP address assignment with different policies
- Supports EtherNet/IP, PROFINET, and Modbus TCP protocols for device management and monitoring
- Turbo Ring and Turbo Chain (recovery time < 20 ms @ 250 switches), and STP/RSTP/MSTP for network redundancy
- · IGMP snooping and GMRP for filtering multicast traffic
- Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning
- QoS (IEEE 802.1p/1Q and TOS/DiffServ) to increase determinism
- · IEEE 802.3ad, LACP for optimum bandwidth utilization

- TACACS+, IEEE 802.1X, SNMPv3, HTTPS, and SSH to enhance network security
- SNMPv1/v2c/v3 for different levels of network management
- · RMON for proactive and efficient network monitoring
- · Bandwidth management prevents unpredictable network status with "Lock port" to restrict access to authorized MAC addresses
- · Port mirroring for online debugging
- Automatic warning by exception through email and relay output
- · Automatic recovery of connected device's IP addresses
- · Line-swap fast recovery
- · Configurable by web browser, Telnet/serial console, CLI, Windows utility, and ABC-02-USB automatic backup configurator

Specifications

Input/Output Interface

Alarm Contact Channels

1 relay output with current carrying capacity of 1 A @ 24 VDC

If the port link speed is 1 Gigabit or higher, the recovery time is < 50 ms.



Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	8
Combo Ports (10/100/1000BaseT(X) or 100/ 1000BaseSFP)	4
Module	2 modular slots for any 8-port or 6-port Interface Modules with 10/100BaseT(X), 100BaseFX (SC/ST connector), 100Base PoE/PoE+, or 100Base SFP ²
Standards	IEEE 802.1D-2004 for Spanning Tree Protocol IEEE 802.1p for Class of Service IEEE 802.1Q for VLAN Tagging IEEE 802.1s for Multiple Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol IEEE 802.1X for authentication IEEE 802.3 for 10BaseT IEEE 802.3ab for 100BaseT(X) IEEE 802.3ad for Port Trunk with LACP IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3x for flow control IEEE 802.3z for 1000BaseSX/LX/LHX/ZX

Ethernet Software Features

Management	Back Pressure Flow Control BOOTP DDM DHCP Option 66/67/82 DHCP Server/Client Flow control IPv4/IPv6 LLDP Port Mirror RARP RMON SCP SMTP SNMP Inform SNMPv1/v2c/v3 Syslog Telnet TFTP
Filter	802.1Q BPDU Filter BPDU Guard GMRP GVRP IGMP v1/v2/v3
Redundancy Protocols	Link Aggregation MRP MSTP RSTP STP Turbo Chain Turbo Ring v1/v2 V-ON
Security	Access control list Broadcast storm protection HTTPS/SSL MAB authentication NTP authentication Port Lock RADIUS SSH TACACS+
Time Management	NTP Server/Client

^{2.} See the IM-6700A datasheet for Fast Ethernet module product information.



Industrial Protocols	Industrial Protocols Ethernet-like MIB MIB-II OFFICIENT MIB Ethernet-like MIB MIB-II OFFICIENT Switch Properties FOMP Groups 2048 Jumbo Frame Size 9.6 KB MAC Table Size 16 K Max. No. of VLANs 64 Packet Buffer Size 12 Mbits Priority Queues 4 VLAN ID Range VID 1 to 4094 USB Type A Serial Interface Stronge Port USB Type A Serial Interface Console Port USB Type A Serial Interface WISB-erial console (Type B connector) Power Parameters Input Voltage INS-6728A-4GTXSFP-24-31: 24 VDC INS-6728A-4GTXSFP-24-31: 10020 VAC INS-6728A-8PG-4GTXSFP-31-14 VDC INS-6728A-8PG-4GTXSFP-31-31 SID GO VDC INS-6728A-8PG-		
MIB Between Like MIB MIB-II PROFINET PR	MIB Britance Mission M		SNTP
MIB-II P-BRIDGE MIB C-BRIDGE MIB C-BRIDGE MIB C-BRIDGE MIB GOND 1, 2, 3, 9 RSTP MIB SWItch Properties	MIS-II P.BRIDGE MIB C.BRIDGE MIB C.BRIDGE MIB G.BRIDGE MIB G.BRIDGE MIB G.BRIDGE MIB GROUPS I, 2, 3, 9 RSTP MIB Switch Properties Switch	Industrial Protocols	Modbus TCP
GMP Groups Jumbo Frame Size 9.6 KB MAC Table Size 16 K Max. No. of VLANs 64 Packet Buffer Size 12 Mbits Priority Queues 4 VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Interface Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-4T: 24 VDC IKS-6728A-4GTXSFP-24-4T: 124 VDC IKS-6728A-4GTXSFP-48-4T: 110/220 VAC IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-9F0E-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8F0E-4GTXSFP-HV-HV-T: 110/220 VAC IKS-6728A-9F0E-4GTXSFP-HV-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-HV-T: 110/20 VAC IKS-6728A-9F0E-4GTXSFP-HV-HV-T: 110/20 VAC INS-6728A-9F0E-4GTXSFP-HV-HV-T: 110/20 VAC IKS-6728A-9F0E-4GTXSFP-HV-HV-T: 110/20 VAC INS-6728A-9F0E-4GTXSFP-HV-HV-T: 110/20 VAC INS-6728A-9F0E-4GTXSFP-HV-HV-T: 110/20 VAC INS-6728A-9F0E-4GT	IGMP Groups 2048 Jumbo Frame Size 9.6 KB MAC Table Size 16 K Max. No. of VLANs 64 Packet Buffer Size 12 Mbits Priority Queues 4 VLAN ID Flange VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-21: 24 VDC (redundant dual inputs) (KS-6728A-4GTXSFP-24-31: 18 VDC (redundant dual inputs) (KS-6728A-4GTXSFP-34-31: 18 VDC (redundant dual inputs) (KS-6728A-4GTXSFP-34-31: 11 VDC) (RS-6728A-4GTXSFP-34-31: 18 VDC) (redundant dual inputs) (KS-6728A-4GTXSFP-34-31: 11 VDC) (VDC) (redundant dual inputs) (KS-6728A-4GTXSFP-34-31: 11 VDC) (VDC) (redundant dual inputs) (KS-6728A-4GTXSFP-34-31: 11 VDC) (VDC) (redundant dual inputs) (KS-6728A-3FDC-4-GTXSFP-14-11 VDC) VDC) (redundant dual inputs) (KS-6728A-3FDC-4-GTXSFP-14-11 VDC) VDC) (RS-6728A-3FDC-4-GTXSFP-14-11 VDC) VDC) (RS-6728A-3FDC-4-GTXSFP-14-11 VDC) VDC) (RS-6728A-3FDC-4-GTTXSFP-14-3E-3E-3E-3E-3E-3E-3E-3E-3E-3E-3E-3E-3E-	MIB	MIB-II P-BRIDGE MIB Q-BRIDGE MIB RMON MIB Groups 1, 2, 3, 9
Jumbo Frame Size 9.6 KB MAC Table Size 16 K Max. No. of VLANs 64 Packet Buffer Size 12 Mbits Friority Queues 4 VLAN ID Range VID 1 to 4094 USB Type A Serial Interface Storage Port USB Type A Serial Interface USB Type A Serial Interface Wish Friority Queues Wish Frio	Jumbo Frame Size 9.6 KB MAC Table Size 16 K Max. No. of VLANs 94 Packet Buffer Size 12 Mbits Priority Queues 4 VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-4GTXSFP-48-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 18 to 36 VDC IKS-6	Switch Properties	
MAC Table Size 16 K Max. No. of VLANs 64 Packet Buffer Size 12 Mbits Priority Queues 4 VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage INS-6728A-4GTXSFP-24-T: 24 VDC INS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) INS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) INS-6728A-4GTXSFP-48-T: 48 VDC INS-6728A-4GTXSFP-48-T: 48 VDC INS-6728A-4GTXSFP-48-T: 48 VDC INS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) INS-6728A-4GTXSFP-48-T: 1020 VAC	Max. No. of VLANs 64 Packet Buffer Size 12 Mbits Priority Queues 4 VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-4GTXSFP-48-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-9F0E-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-9F0E-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-BV-T: 18 to 36 VDC IKS-6728A-BP0E-4GTXSFP-BV-T: 18 to 36 VDC IKS-6728A-BP0E-4GTXSFP-BV-TI-T: 18 to 36 VDC IKS-6728A-B	IGMP Groups	2048
Max. No. of VLANs Packet Buffer Size 12 Mbits Priority Queues 4 VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-44-T: 39 VDC IKS-6728A-4GTXSFP-44-T: 49 VDC IKS-6728A-4GTXSFP-44-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 10/220 VAC INS-6728A-4GTXSFP-HV-T: 10/220 VAC Input Current 1.1/0.6 A @ 24/48 VDC 0.46/0.31 A @ 110/220 VAC	Max. No. of VLANs 64 Packet Buffer Size 12 Mbits Priority Queues 4 VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-24-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-81-84 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-81-84 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-81-184 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-81-184 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PG-4GTXSFP-HV-HV-T: 100/220 VAC (redundant dual inputs) IKS-6728A-8PG-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-BPG-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-	Jumbo Frame Size	9.6 KB
Packet Buffer Size Priority Queues 4 VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-7: 24 VDC IKS-6728A-4GTXSFP-24-7: 24 VDC IKS-6728A-4GTXSFP-48-1-8 VDC IKS-6728A-4GTXSFP-48-1-8 VDC IKS-6728A-4GTXSFP-48-1-8 VDC IKS-6728A-4DTXSFP-48-1-8 VDC IKS-6728A-4DTXSFP-48-1-8 VDC IKS-6728A-4DTXSFP-48-1-8 VDC IKS-6728A-8PD-6-4GTXSFP-HV-TI-110/220 VAC IKS-6728A-8PD-6-4GTXSFP-HV-TI-110/220 VAC IKS-6728A-8PD-6-4GTXSFP-HV-TI-110/220 VAC IKS-6728A-8PD-6-4GTXSFP-HV-TI-110/220 VAC IKS-6728A-8PD-6-4GTXSFP-HV-TI-110/220 VAC IKS-6728A-8PD-6-4GTXSFP-HV-TI-110/220 VAC IKS-6728A-4DTXSFP-HV-TI-110/220 VAC IKS-6728A-4DTXSFP-HV-TI-110/220 VAC IKS-6728A-4GTXSFP-HV-TI-110/220 VAC IKS-6728A-4GTXSFP-HV-TI-110/20 VAC IKS-6728A-4GTXSFP-HV-TI-110-110 VAC IKS-6728A-BPD-6-4GTXSFP-HV-TI-110-110 VAC IKS-6728A-BPD-6-4GTXSFP-HV-TI-	Priority Queues 4 VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 80 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8FPC-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8FPC-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8FPC-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-HV-T: 185 to 264 VAC IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-BPC-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-BPC-4GTXSFP-HV-TI-RE-ATT SE TO 264 VAC IKS-6728A-BPC-4GTXSFP-HV-TI-RE-ATT SE TO 264 VAC IKS-6728A-BPC-4GTXSFP-HV-TI-RE-ATT SE TO 264 VAC IKS-6728A-BPC	MAC Table Size	16 K
Priority Queues	Priority Queues 4 VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IRS-6728A-46TXSFP-24-T: 24 VDC IRS-6728A-46TXSFP-24-T: 24 VDC (redundant dual inputs) IRS-6728A-46TXSFP-24-B-18-T: 40 VDC (redundant dual inputs) IRS-6728A-46TXSFP-48-T: 48 VDC (redundant dual inputs) IRS-6728A-46TXSFP-48-B-18-T: 40 VDC (redundant dual inputs) IRS-6728A-46TXSFP-HV-HV-T: 110/220 VAC IRS-6728A-46TXSFP-HV-HV-T: 110/220 VAC IRS-6728A-96T-46TXSFP-HV-HV-T: 110/220 VAC IRS-6728A-96T-46TXSFP-HV-HV-T: 110/220 VAC IRS-6728A-46TXSFP-HV-HV-T: 110/220 VAC IRS-6728A-46TXSFP-HV-HV-T: 150 V2C IRS-6728A-96TC-46TXSFP-HV-HV-T: 550 V	Max. No. of VLANs	64
VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-8-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC IKS-6728A-4BPG-4GTXSFP-48-T: 48 VDC IKS-6728A-4BPG-4GTXSFP-4B-T: 18 VDC IKS-6728A-4BPG-4GTXSFP-4B-T: 110/220 VAC IKS-6728A-4BPG-4GTXSFP-HV-HV-T: 110/220 VAC IKS-6728A-4BPG-4GTXSFP-HV-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-4B-T: 85 to 264 VAC IKS-6728A-4GTXSFP-4B-T: 86 to 264 VAC IKS-6728A-4GTXSFP-4B-T: 86 to 272 VDC IKS-6728A-4GTXSFP-4B-T: 36 to 72 VDC IKS-6728A-4GTXSFP-4B-T: 36 to 72 VDC IKS-6728A-4GTXSFP-4B-T: 36 to 72 VDC IKS-6728A-4BPG-4GTXSFP-4B-T: 36 to 72 VDC IKS-6728A-BPG-4GTXSFP-4B-T: 36 to 72 VDC IKS-6728A-BPG-4G	VLAN ID Range VID 1 to 4094 USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-9DE-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 85 to 264 VAC IKS-6728A-9DE-4GTXSFP-HV-T: 85 to 264 VAC IKS-6728A-9DE-4GTXSFP-HV-TIV-T: 85 to 264 VAC IKS-6728A-9DE-4GTXSFP-HV-TIV-TIV-T: 85 to 2	Packet Buffer Size	12 Mbits
USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-8PG-4GTXSFP-48-T: 48 VDC IKS-6728A-8PG-4GTXSFP-48-T: 10/220 VAC (redundant dual inputs) IKS-6728A-8PG-4GTXSFP-48-T: 10/220 VAC (redundant dual inputs) IKS-6728A-8PG-4GTXSFP-48-T: 10/220 VAC (redundant dual inputs) IKS-6728A-8PG-4GTXSFP-48-T: 18 VDC IKS-6728A-4GTXSFP-HV-HV-T: 11/0/220 VAC (redundant dual inputs) Operating Voltage IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-48-T: 18 to 38 VDC IKS-6728A-4GTXSFP-48-T: 18 to 38 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PG-4GTXSFP-48-T: 36 to 72 VD	USB Interface Storage Port USB Type A Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-48-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8P0-E-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-8P0-E-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8P0-E-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTX-8PP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTX-8PP-HV-HV-T: 150 to 264 VAC IKS-6728A-4GTX-8PP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTX-8PP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTX-8PP-41-T: 81 to 36 VDC IKS-6728A-4GTX-SPP-48-T: 36 to 72 VDC IKS-6728A-4GTX-SPP-HV-HV-T: 85 to 264 VAC IKS-6728A-3BPO-E-4GTX-SPP-HV-HV-T: 85 to 264 VAC IKS-6728A-3BPO-E-4GTX-SPP-HV-HV-T: 85 to 264 VAC IKS-6728A-3BPO-E-4GTX-SPP-HV-HV-T: 85 to 264 VAC IKS-6728A-3BPO-E-4GTX-SPP-HV-T: 85 to 264 VAC IKS-6728A-3BPO-E-4GTX-SPP-H	Priority Queues	4
Storage Port USB Type A	Storage Port Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-Z-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-8P0E-4GTXSFP-48-T: 48 VDC IKS-6728A-8P0E-4GTXSFP-48-T: 48 VDC IKS-6728A-8P0E-4GTXSFP-48-T: 48 VDC IKS-6728A-8P0E-4GTXSFP-48-T: 18 VDC IKS-6728A-8P0E-4GTXSFP-48-T: 18 VDC IKS-6728A-8P0E-4GTXSFP-48-T: 18 VDC IKS-6728A-8P0E-4GTXSFP-48-T: 18 VDC IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-48-T: 18 to 36 VDC IKS-6728A-4GTXSFP-48-T: 18 to 36 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8P0E-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8	VLAN ID Range	VID 1 to 4094
Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-Z4-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-H-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-9PoE-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-9PoE-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-9PoE-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-T: 18 to 264 VAC IKS-6728A-4GTXSFP-HV-T: 18 to 36 VDC IKS-6728A-4GTXSFP-48-T: 18 to 36 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4BPOE-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PoE-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PoE-4GTXSFP-HV-T: 85 to 264 VAC INS-6728A-8PoE-4GTXSFP-HV-T:	Serial Interface Console Port USB-serial console (Type B connector) Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-1-8 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-1-1 1/0/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-T: 11/0/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-HV-T: 11/0/220 VAC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-HV-T: 110/220 VAC IKS-6728A-8PoE-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) Operating Voltage IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-48-T: 18 to 36 VDC IKS-6728A-4GTXSFP-48-T: 18 to 36 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PoE-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PoE-4GTXSFP-HV-HV-T: 85 to 264 VAC INS-6728A-8PoE-4GTXSFP-HV-HV-T: 85 to 264 VAC INS-6728A-8PoE-4GTXSFP-HV-HV-T: 85 to 264 VAC INS-6728A-8PoE-4GTXSFP-HV-TI-T: 85 to 264 VAC INS-6728A-8PoE-4GTXSFP-TI-TI-TI-TI-TI-TI-TI-TI-TI-TI-TI-TI-TI-	USB Interface	
Dower Parameters	Description	Storage Port	USB Type A
Power Parameters	Power Parameters Input Voltage IKS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-24-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4BDE-4GTXSFP-4B-T: 48 VDC (redundant dual inputs) IKS-6728A-8PDE-4GTXSFP-4B-T: 48 VDC (redundant dual inputs) IKS-6728A-8PDE-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PDE-4GTXSFP-4B-T: 48 VDC (redundant dual inputs) Operating Voltage IKS-6728A-4GTXSFP-4B-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-4B-T: 36 to 72 VDC IKS-6728A-8PDE-4GTXSFP-4B-T: 36 to 72 VDC IKS-6728A-8PDE-4B-T: 36 to 72 VDC IKS-6728A-8PDE-4B-T: 36 to 72 VDC IKS-6728A-8PDE-4B-T: 36 to 72 VDC	Serial Interface	
Input Voltage	IKS-6728A-4GTXSFP-24-T: 24 VDC IKS-6728A-4GTXSFP-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 148 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4BP0E-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8P0E-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-8P0E-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-8P0E-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8P0E-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8P0E-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4BP0E-4GTXSFP-HV-T: 185 to 264 VAC IKS-6728A-4GTXSFP-HV-HV-T: 185 to 264 VAC IKS-6728A-4GTXSFP-HV-HV-T: 18 to 36 VDC IKS-6728A-4GTXSFP-24-T: 18 to 36 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8P0E-4GTXSFP-48-48-T: 36 to 72 VDC IKS-6728A-8P0E-4GTXSFP-48-48-T: 36 to 72 VDC IKS-6728A-8P0E-4GTXSFP-48-48-T: 36 to 72 VDC IKS-6728A-8P0E-4GTXSFP-HV-T: 85 to 264 VAC IKS	Console Port	USB-serial console (Type B connector)
IKS-6728A-4GTXSFP-24-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-T: 48 VDC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-24-T: 18 to 36 VDC IKS-6728A-4GTXSFP-24-24-T: 18 to 36 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-9DE-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PoE-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PoE-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-8POE-4GTXSFP-HV-TI 85 to 264 VAC IKS-6728A-8POE-4GTXSFP-HV-TI 85 to 264 VAC IKS-6728A-8POE-4GT	IKS-6728A-4GTXSFP-48-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-9E-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-48-48-T: 48 VDC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PoE-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PoE-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PoE-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8PoE-4GTXSFP-HV-T: 85 to 264 VAC IKS-6728A-8POE-4GTXSFP-HV-T: 85 t	Power Parameters	
IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC	IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC	Input Voltage	IKS-6728A-4GTXSFP-24-24-T: 24 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-48-T: 48 VDC IKS-6728A-4GTXSFP-48-48-T: 48 VDC (redundant dual inputs) IKS-6728A-4GTXSFP-HV-T: 110/220 VAC IKS-6728A-4GTXSFP-HV-HV-T: 110/220 VAC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-48-T: 48 VDC IKS-6728A-8PoE-4GTXSFP-48-48-T: 48 VDC (redundant dual inputs) IKS-6728A-8PoE-4GTXSFP-HV-T: 110/220 VAC
0.46/0.31 A @ 110/220 VAC Note: These are the input current ratings for the device with the maximum number of modules installed. Power Consumption (Max.) 26.4/28.8 W @ 24/48 VDC 29.28/31.92 W @ 110/220 VAC	0.46/0.31 A @ 110/220 VAC Note: These are the input current ratings for the device with the maximum number of modules installed. Power Consumption (Max.) 26.4/28.8 W @ 24/48 VDC 29.28/31.92 W @ 110/220 VAC Note: These are the power consumption ratings for the device with the maximum	Operating Voltage	IKS-6728A-4GTXSFP-HV-HV-T: 85 to 264 VAC IKS-6728A-4GTXSFP-24-T: 18 to 36 VDC IKS-6728A-4GTXSFP-24-24-T: 18 to 36 VDC IKS-6728A-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-4GTXSFP-48-48-T: 36 to 72 VDC IKS-6728A-8P0E-4GTXSFP-48-T: 36 to 72 VDC IKS-6728A-8P0E-4GTXSFP-48-48-T: 36 to 72 VDC IKS-6728A-8P0E-4GTXSFP-HV-T: 85 to 264 VAC
29.28/31.92 W @ 110/220 VAC	29.28/31.92 W @ 110/220 VAC Note: These are the power consumption ratings for the device with the maximum	Input Current	0.46/0.31 A @ 110/220 VAC Note: These are the input current ratings for the device with the maximum number of
		Power Consumption (Max.)	29.28/31.92 W @ 110/220 VAC Note: These are the power consumption ratings for the device with the maximum



Total PoE Power Budget	IKS-6728A-PoE series: Maximum 720 W @ 48 VDC
Overload Current Protection	Supported
Reverse Polarity Protection	Supported
Physical Characteristics	
IP Rating	IP30
Dimensions	440 x 44 x 280 mm (17.32 x 1.37 x 11.02 in)
Weight	4100 g (9.05 lb)
Installation	Rack mounting
Environmental Limits	
Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Standards and Certifications	
Safety	EN 60950-1 UL 60950-1
EMC	EN 55032/24
ЕМІ	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Railway	EN 50121-4
Maritime	IKS-6728A Series non-PoE models: ABS, CCS, DNV, LR, NK
Freefall	IEC 60068-2-32
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
MTBF	
Time	IKS-6728A-4GTXSFP-24-24-T: 836,446 hrs IKS-6728A-4GTXSFP-24-T: 836,446 hrs IKS-6728A-4GTXSFP-48-48-T: 837,778 hrs IKS-6728A-4GTXSFP-48-T: 837,778 hrs IKS-6728A-4GTXSFP-4V-HV-T: 914,783 hrs IKS-6728A-4GTXSFP-HV-T: 927,981 hrs IKS-6728A-8PoE-4GTXSFP-48-48-T: 650,626 hrs IKS-6728A-8PoE-4GTXSFP-48-T: 650,626 hrs IKS-6728A-8PoE-4GTXSFP-HV-HV-T: 697,934 hrs IKS-6728A-8PoE-4GTXSFP-HV-T: 704,618 hrs
Standards	Telcordia (Bellcore), GB
Warranty	
Warranty Period	5 years
Details	See www.moxa.com/warranty

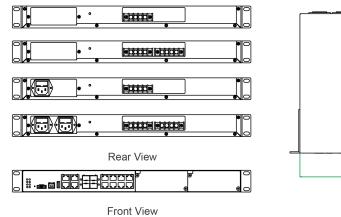


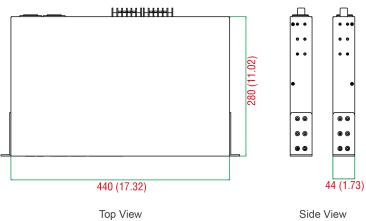
Package Contents

Device	1 x IKS-6728A Series switch
Cable	1 x USB type A male to USB type B male
Installation Kit	2 x rack-mounting ear 8 x cap, plastic, for SFP slot
Power Supply	IKS-6728A-4GTXSFP-HV-T: 1 x power cord, EU type IKS-6728A-4GTXSFP-HV-HV-T: 2 x power cord, EU type IKS-6728A-8PoE-4GTXSFP-HV-T: 1 x power cord, EU type IKS-6728A-8PoE-4GTXSFP-HV-HV-T: 2 x power cord, EU type IKS-6728A-4GTXSFP-HV-T: 1 x power cord, US type IKS-6728A-4GTXSFP-HV-HV-T: 2 x power cord, US type IKS-6728A-8PoE-4GTXSFP-HV-T: 1 x power cord, US type IKS-6728A-8PoE-4GTXSFP-HV-HV-T: 2 x power cord, US type
Documentation	1 x quick installation guide 1 x warranty card
Note	 If you want to turn on PoE, please add a 48 V external power supply. 48 V external power supply, SFP modules and/or modules from the IM-6700A Module Series need to be purchased separately for use with this product.

Dimensions

Unit: mm (inch)





Ordering Information

Model Name	Combo Ports (10/100/ 1000BaseT(X) or 100/ 1000BaseSF P)	100BaseSFP Slots	10/ 100BaseT(X) Ports RJ45 Connector	100BaseFX Ports	Operating Temp.	Input Voltage	Redundant Dual Input	PoE Support
IKS-6728A-4GTXSFP- HV-T	4	Up to 20	Up to 24	Up to 12	-40 to 75°C	110/220 VAC power supply	-	-
IKS-6728A-4GTXSFP- HV-HV-T	4	Up to 20	Up to 24	Up to 12	-40 to 75°C	110/220 VAC power supply	✓	-
IKS-6728A-4GTXSFP- 24-T	4	Up to 20	Up to 24	Up to 12	-40 to 75°C	24 VDC power supply	-	-
IKS-6728A-4GTXSFP- 24-24-T	4	Up to 20	Up to 24	Up to 12	-40 to 75°C	24 VDC power supply	✓	-
IKS-6728A-4GTXSFP- 48-T	4	Up to 20	Up to 24	Up to 12	-40 to 75°C	48 VDC power supply	-	-
IKS-6728A-4GTXSFP- 48-48-T	4	Up to 20	Up to 24	Up to 12	-40 to 75°C	48 VDC power supply	✓	-

Model Name	Combo Ports (10/100/ 1000BaseT(X) or 100/ 1000BaseSF P)	100BaseSFP Slots	10/ 100BaseT(X) Ports RJ45 Connector	100BaseFX Ports	Operating Temp.	Input Voltage	Redundant Dual Input	PoE Support
IKS-6728A-8PoE- 4GTXSFP-HV-T	4	Up to 20	Up to 24	Up to 12	-40 to 75°C	110/220 VAC power supply	-	Up to 24 PoE ports
IKS-6728A-8PoE- 4GTXSFP-HV-HV-T	4	Up to 20	Up to 24	Up to 12	-40 to 75°C	110/220 VAC power supply	✓	Up to 24 PoE ports
IKS-6728A-8PoE- 4GTXSFP-48-T	4	Up to 20	Up to 24	Up to 12	-40 to 75°C	48 VDC power supply	-	Up to 24 PoE ports
IKS-6728A-8PoE- 4GTXSFP-48-48-T	4	Up to 20	Up to 24	Up to 12	-40 to 75°C	48 VDC power supply	✓	Up to 24 PoE ports

Accessories (sold separately)

IM-6700A Module Series

IM-6700A-2MSC4TX	Fast Ethernet module with 2 multi-mode 100BaseFX ports with SC connector, 4 10/100BaseT(X) ports
IM-6700A-2MST4TX	Fast Ethernet module with 2 multi-mode 100BaseFX ports with ST connectors, 4 10/100BaseT(X) ports
IM-6700A-2SSC4TX	Fast Ethernet module with 2 single-mode 100BaseFX ports with SC connector, 4 10/100BaseT(X) ports
IM-6700A-4MSC2TX	Fast Ethernet module with 4 multi-mode 100BaseFX ports with SC connector, 2 10/100BaseT(X) ports
IM-6700A-4MST2TX	Fast Ethernet module with 4 multi-mode 100BaseFX ports with ST connectors, 2 10/100BaseT(X) ports
IM-6700A-4SSC2TX	Fast Ethernet module with 4 single-mode 100BaseFX ports with SC connectors, 2 10/100BaseT(X) ports
IM-6700A-6MSC	Fast Ethernet module with 6 multi-mode 100BaseFX ports with SC connectors
IM-6700A-6MST	Fast Ethernet module with 6 multi-mode 100BaseFX ports with ST connectors
IM-6700A-6SSC	Fast Ethernet module with 6 single-mode 100BaseFX ports with SC connectors
IM-6700A-8PoE	Fast Ethernet PoE+ module with 8 100BaseT(X) PoE/PoE+ ports (for IKS-6728A-8PoE Series only)
IM-6700A-8SFP	Fast Ethernet module with 8 100BaseSFP slots
IM-6700A-8TX	Fast Ethernet module with 8 10/100T(X) ports

Storage Kits

ABC-02-USB	Configuration backup and restoration tool, firmware upgrade, and log file storage tool for managed
	Ethernet switches and routers, 0 to 60°C operating temperature

SED Modulos

SFP Modules	
SFP-1FELLC-T	SFP module with 1 100Base single-mode with LC connector for 80 km transmission, -40 to 85°C operating temperature
SFP-1FEMLC-T	SFP module with 1 100Base multi-mode, LC connector for 2/4 km transmission, -40 to 85°C operating temperature
SFP-1FESLC-T	SFP module with 1 100Base single-mode with LC connector for 40 km transmission, -40 to 85°C operating temperature
SFP-1G10ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature
SFP-1G10ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G10BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G10BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1G20ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature



SFP-1G20ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G20BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G20BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1G40ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature
SFP-1G40ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G40BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G40BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1GEZXLC	SFP module with 1 1000BaseEZX port with LC connector for 110 km transmission, 0 to 60° C operating temperature
SFP-1GEZXLC-120	SFP module with 1 1000BaseEZX port with LC connector for 120 km transmission, 0 to 60° C operating temperature
SFP-1GLHLC	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, 0 to 60°C operating temperature
SFP-1GLHLC-T	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, -40 to 85° C operating temperature
SFP-1GLHXLC	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, 0 to 60° C operating temperature
SFP-1GLHXLC-T	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, -40 to 85°C operating temperature
SFP-1GLSXLC	SFP module with 1 1000BaseLSX port with LC connector for 1km/2km transmission, 0 to 60°C operating temperature
SFP-1GLSXLC-T	SFP module with 1 1000BaseLSX port with LC connector for 1km/2km transmission, -40 to 85°C operating temperature
SFP-1GLXLC	SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, 0 to 60° C operating temperature
SFP-1GLXLC-T	SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, -40 to 85°C operating temperature
SFP-1GSXLC	SFP module with 1 1000BaseSX port with LC connector for 300m/550m transmission, 0 to 60°C operating temperature
SFP-1GSXLC-T	SFP module with 1 1000BaseSX port with LC connector for 300m/550m transmission, -40 to 85°C operating temperature
SFP-1GZXLC	SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, 0 to 60°C operating temperature
SFP-1GZXLC-T	SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, -40 to 85°C operating temperature

Power Cords

PWC-C13US-3B-183	Power cord with United States (US) plug, 1.83 m
PWC-C13EU-3B-183	Power cord with Continental Europe (EU) plug, 1.83 m
PWC-C13AU-3B-183	Power cord with Australian (AU) plug, 1.83 m
PWC-C13UK-3B-183	Power cord with United Kingdom (UK) plug, 1.83 m
PWC-C7US-2B-183	Power cord with United States (US) plug, 10A/125V, 1.83 m
PWC-C7AU-2B-183	Power cord with Australian (AU) plug, 2.5A/250V, 1.83 m
PWC-C7EU-2B-183	Power cord with Continental Europe (EU) plug, 2.5A/250V, 1.83 m
PWC-C7UK-2B-183	Power cord with United Kingdom (UK) plug, 2.5A/250V, 1.83 m
PWC-C13CN-3B-183	Power cord with three-prong China (CN) plug, 1.83 m



Software

MXview-50	Industrial network management software with a license for 50 nodes (by IP address)
MXview-100	Industrial network management software with a license for 100 nodes (by IP address)
MXview-250	Industrial network management software with a license for 250 nodes (by IP address)
MXview-500	Industrial network management software with a license for 500 nodes (by IP address)
MXview-1000	Industrial network management software with a license for 1000 nodes (by IP address)
MXview-2000	Industrial network management software with a license for 2000 nodes (by IP address)
MXview Upgrade-50	License expansion of MXview industrial network management software by 50 nodes (by IP address)

© Moxa Inc. All rights reserved. Updated Dec 27, 2023.

This document and any portion thereof may not be reproduced or used in any manner whatsoever without the express written permission of Moxa Inc. Product specifications subject to change without notice. Visit our website for the most up-to-date product information.

