

EKI-7454G-6X

48GE+6 10G SFP L2 Managed Switch



CE FCC

Features

- 48 Gigabit Ethernet Ports and 6 10G SFP Ports
- 0 to 60°C operating temperature range
- Management: SNMP v1/v2c/v3, WEB, Telnet, Standard MIB
- IXM Function Enables Fast Deployment
- Redundancy: Gigabit X-Ring Pro ((Ultra High-Speed Recovery Time < 20 ms), RSTP/STP (802.1w/1D), MSTP

Introduction

The EKI-7454G-6X is equipped with 48 Gigabit Ethernet ports plus 6 10G SFP+ ports. It is ideal for large-scale networks with server and surveillance applications, that involve high-resolution videos and images, to achieve high performance and large-scale data transmission. Designed for rack-mount installation with 1U 19" design, integrates layer 2 switching software, delivering wire speed across all ports up to 216 Gbps for layer 2 and network nodes.

Specifications

Interface

- **Ethernet Port** 48 x RJ45 (10/100/1000BASE-T)
6 x SFP+ (1G/10G)
- **Console Port** RJ45
- **Power Connector** 3-pin Power Connector

Physical

- **Enclosure** Metal Shell
- **Installation** 1U 19" Rack Mount
- **Dimension** 441 x 270 x 45 mm (17.36" x 10.63" x 1.77" inch)

LED Display

- **System LED** ALM, SYS, PWR
- **Port LED** 1 ~ 48 Port: Link/ACT/Speed
49 ~ 52 SFP+: Link/ACT

Environment

- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -40 ~ 70°C (-40 ~ 158°F)
- **Humidity** 10 ~ 90% (non-condensing)
- **MTBF** TBD

Power

- **Power Consumption** 36 Watts (System)
- **Operating Input Range** 100-240V_{AC}

Certification

- **Safety** LVD EN62368:2014
- **EMC** FCC Part 15, Subpart B: ANSI C63.4-2014
CE EN55032: 2010+AC:2011
EN55024: 2010+A1:2015

L2 Feature

- **L2 MAC Address** 16K
- **Jumbo Frame** 12KB
- **Switching Capacity** 176 Gbps
- **Transmission Rate** 129.3 Mpps
- **VLAN group** 256 (VLAN ID 1~4094)
- **VLAN group** 802.1Q, GVRP
- **Port Mirroring** Per port, Multi-source port (4 Mirroring sessions Max.)
- **IP Multicast** IGMP Snooping v1/v2/v3, MLD Snooping
- **Storm Control** Broadcast, Multicast, Unknown Unicast
- **Redundant Protocol** IEEE 802.1D(STP), IEEE802.1s(MSTP), IEEE802.1w(RSTP), X-Ring Pro, X-Chain, Dual homing, Coupling

Quality of Service

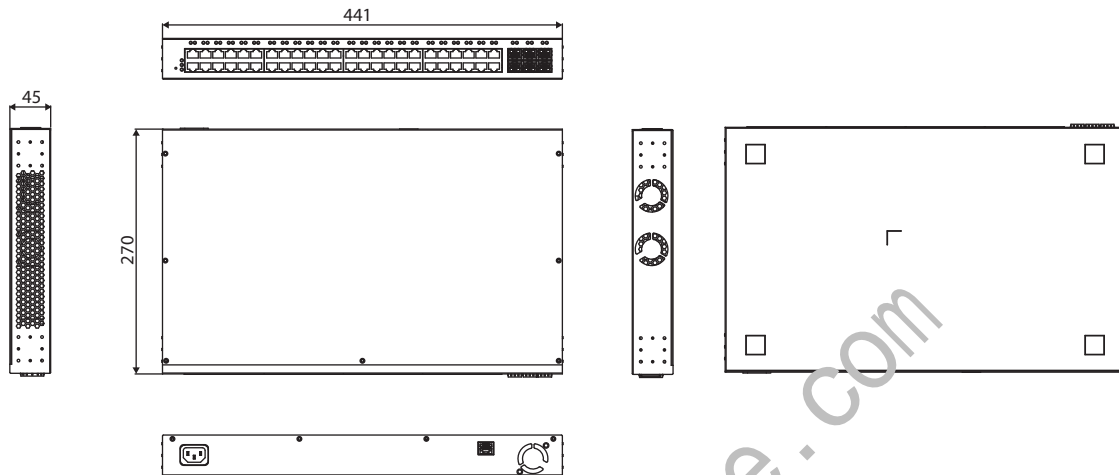
- **QoS function** Scheduling (STRICT/WRR), Port Priority, 802.1p, DSCP, IP TOS/precedence
- **Rate limit** Ingress/Egress Rate limit
- **Max Priority Queues** 8

Security

- **Port Security** Static MAC, MAC Violation Notice, Port-based Loop Detection
- **Authentication** 802.1x (Port-based, MAC-based), RADIUS

Dimensions

Unit: mm



Panel Cut-out Dimensions (W x D x H): 441 x 270 x 45 mm

Management feature

- **DHCP** Client, Server, Option66/67/82, Port IP-Binding
- **Access** SNMP v1/v2c/v3, WEB, Telnet, Console, RMONv1, Standard MIB, Private MIB
- **Security Access** HTTPs, TLS 1.0
- **Software Upgrade** TFTP, HTTP, Dual Image
- **NTP** NTP Server/Client, SNTP Client
- **Other** IPv4, IPv6, Modbus TCP, IXM

Ordering Information

- **EKI-7454G-6X-AE** 48GE+6 10G SFP L2 Managed Switch