EKI-7454G-6X

48GE+6 10G SFP L2 Managed Switch

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

CE FCC

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
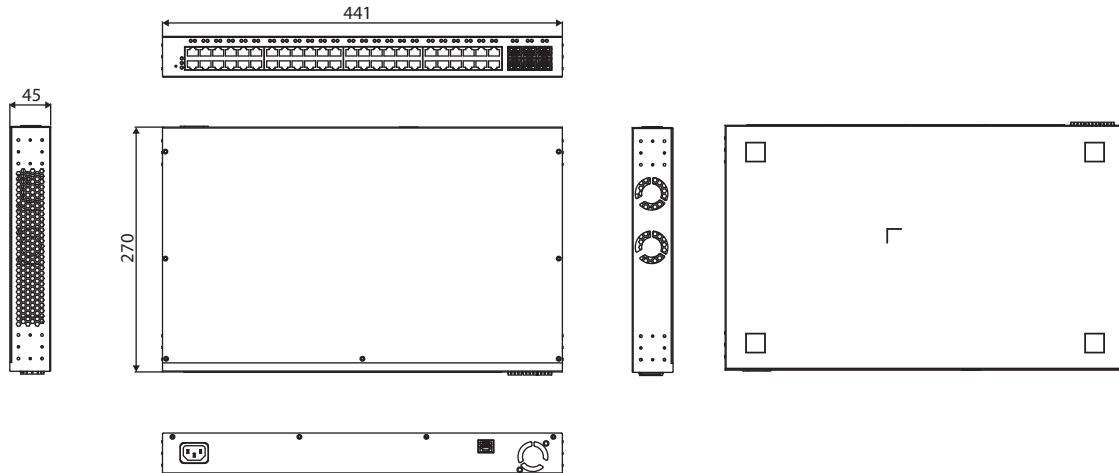
Quality of Service

- **QoS function**: Scheduling (STRICT/ WRR), Port Priority, 802.1p, DSCP, IP TOS/ precedence
- **Rate limit**: Ingress/ Egrss 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

441

45

270

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