EKI-7708G-2FVI EKI-7712G-2FVI

4GE + 4 x Giga SFP (VDSL2 supported) + 2 VDSL2 transceiver Managed Redundant Switch

8GE + 4x Giga SFP (VDSL2 supported) + 2 VDSL2 transceiver Managed Redundant Switch



Features

- 4 x Gigabit + 4 x Gigabit SFP (VDSL2 * 3 supported) + 2 VDSL2 transceivers (EKI-7708G-2FVI)
- 8 x Gigabit + 4 x Gigabit SFP (VDSL2 *3 supported) + 2 VDSL2 transceivers (EKI-7712G-2FVI)
- Redundancy: X-Ring Pro (ultra-high-speed recovery time of 20 Seconds with SFP-VDSL modules, RSTP/STP, and MSTP (802.1w/1D/1s)
- IXM function for fast deployment
- Security Pack with 802.1X, ACL, RADIUS, TACACS+, MAB Authentication,
- SNMPv3, HTTPS, SSH, and SFTP
- Management: SNMP v1/v2c/v3, WEB, Telnet, standard MIB, private MIB
- Supports NMS for easy and visualized to monitor and manage network
- remotely
- NEMA TS2 for traffic control
- EN50121-4 approval for railway tracks deployment
- 100/100 Mbps up to 400 m ove. C.⁴1 5e
 Dual 12 ~ 48 V_{DC} power input + 1 x re ay output

Introduction

The EKI-7712G-2FVI and EKI-7708G-2FVI provide 8/4 Gigabit ports and 4 SFP ports with SFP-VDSL transcavers. These switches provide abundant port options, thus providing support for connecting a range of different devices. They also come embedded with Advantech IXM function for fast leployment, thus have a marked impact in saving on engineering time and costs. This series also support NMS to help IT managers with networking maintenance and fail, the prevention. Finally, they are equipped with X-Ring Pro redundancy for ultra- high- speed recovery times of 20 seconds with SFP-VDSL modules. These switches also applications with existing 2-wire cable (e.g., phone line systems), thus avoiding unnecessary coles a soluted with rewiring. It can substantially extend Ethernet service on UTP wire with distances up to 3000 m, and even with a rate of 100Mbps for up to 400 m on standa. CAT-5 with 2 cables.

Specifications Communications QoS IEEE 802.3, 802.3u, 802.3x, 802.3ad, 802.3ab, 02.3z, Standard Priority Queue WRR (Weighted Round Robin), SP (Strict Scheduling Priority) Hybrid Priority, Max. Priority Queues: 8 IEEE 802.1p Based CoS, IP TOS, DSCP based CoS 802.1D, 802.1w, 802.1s, 802.1P, 802.10 802.1X Scheduling LAN 10/100/1000BASE-TX, optional 100BASE-FX, 1000BASE-**Class of Service** SX/LX/LHX/XD/ZX/EZX Rate Limiting Ingress Rate limit, Egress Rate limit Link Aggregation Transmission Distance Ethernet: Up to 100 m (4-wire CA 5-, o, T 6 RJ45 cable IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking suggested for Gigabit port) \$77. Up to 1.0 km (depends on SFP Security VDSL2: With the rate 0000 speed up to 400 m on a Port Security Static/Dynamic MAC, Max. Learning Limit, MAC Violation standard CAT5e with wire rables Gigabit copper: 100/1000 Mbps, auto negotiation Gigabit Notice Transmission Speed = 802.1X Port-based/MAC-based Authentication (MD5/PEAP/TLS/TTLS fiber: Up to 1000 Nr. ns. Encryption) MAB MAC Authentication Bypass Interface RADIUS, TACAS+ Authentication 4/8 x RJ45 (Grgabit Ethernet) 4 x SFP (mini-GBIC) ports 6-pin screw terminal block connector 4-pin for power, 2-pin Connectors IP Source Guard, DHCP Snooping, ARP Spoofing Prevention Access Control List (IP-ACL, MAC-ACL) Max. ACL Entries: **IP Security** . ACL for relay 128 PWR1, PWR2, SYS, Alarm, and R.M. LED Indicators Gigabit copper: Link / Activity / Speed (1000 Mbps) SFP: Management Link / Activity Client, Server, Option66/67/82, DHCP Relay SNMP v1/v2c/v3, WEB, Telnet, RMON, Standard MIB-II, DHCP RS-232 (RJ45) Console Access Private MIB, Ethernet-Like MIB, RMON MIB (Group 1, 2, 3, 9) L2 Features Security access SSH2.0. SS VLAN Arrange 802.1Q Tag-based VLAN, 802.1ad QinQ VLAN Stacking 1 to 1, N to 1 Max. Mirror Session: 4 TFTP, SFTP, HTTP, Dual Image Software upgrade Port Mirroring . NTP SNTP client RSPAN Remote Switched Port Analysis GARP GVRP GMRP Mechanism . **IP Multicast** IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate Enclosure IP30, metal shell with solid mounting kit leave Dimensions (W x H x D) 79 x 152 x 105 mm (3.1" x 5.98" x 4.13") Storm Control Broadcast, Multicast, Unknown unicast . Mounting DIN rail, wall mount 802.1ab LLDP, LLDP-MED LLDP Industrial Protocol Modbus/TCP IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, Redundancy Power X-Ring Pro, with ultra high-speed recovery time less than 20 15 W @ 48 V_{DC} (system) **Power Consumption** Seconds with SFP-VDSL modules 12~48 VDC **Power Input** . Fault Output 1 x relay output

Protection
 Power Reverse

Overload Current

Present

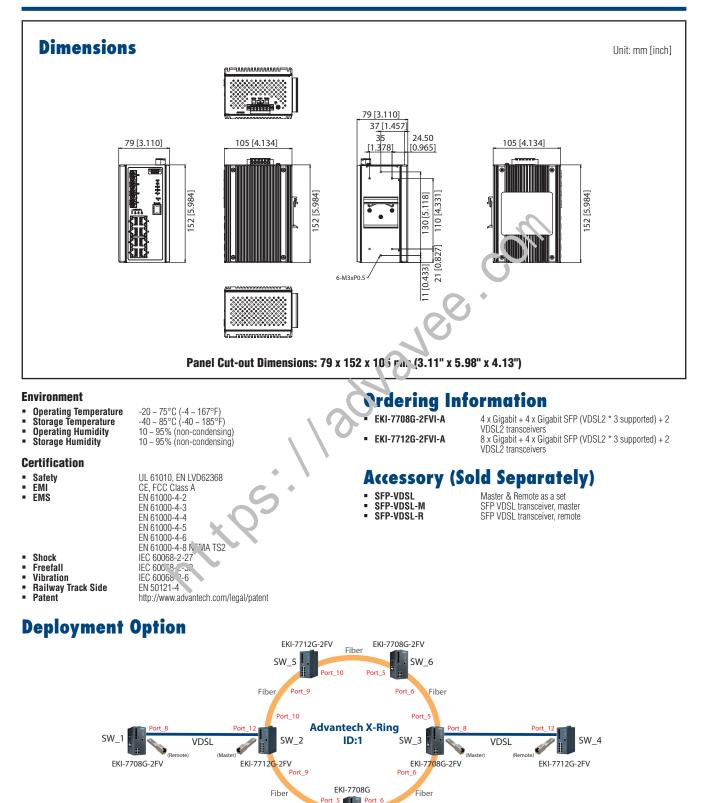
Present

ADNANTECH Industrial Ethernet Soultions

All product specifications are subject to change without notice

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EKI-7708G/7712G-2FVI



SW_7

Note 2: SFP Transceivers can only be plugged in port 6,7,8 of EKI-7708G-2FVI if additional 1 SFP VDSL transceiver is used (port 5 shall not be used) SFP Transceivers can only be plugged in port 10,11,12 of EKI-7712G-2FVI if additional 1 SFP VDSL transceiver is used (port 9 shall not be used)

Note: For SFP copper type, only 1000Mbps supported.