EKI-6558TI EKI-6559TMI

EN50155 IP67 8-port M12 Managed Ethernet Switch with Wide Temperature

EN50155 IP67 8-port M12 + 2-port Fiber Optic **Managed Ethernet Switch with Wide Temperature**



Features

- EN50155 certified
- Supports X-Ring Pro function (ultra high-speed recovery time < 20 ms)
- Wide redundant power design •
- Provides M12 connector with IP67 protection
- Provides Waterproof fiber optic connector
- TFTP firmware updates and system configure restore and backup
- Dual 12 ~ 48 V_{DC} power input and 1 relay output
- Supports wide operating temperature -40 ~ 75°C
- Provides 100 Mbps LC type connector

Introduction

The EKI-6558TI and EKI-6559TMI are EN50155 certified IP67 wide temperature industrial switches which are especially designed for railway industry and harsh environments. M12 connectors secure highly reliable connectivity for industrial communication applications. EN50155 certification ensures the use of railway application. EKI-6559TMI also provides two additional fiber optic ports to extend communication range. Both EKI-6558TI and EKI-6559TMI provide Advantech's X-Ring Pro protocol, which enables users to establish a redundant Ethernet network with ultra high-speed recovery (less than 20 ms). They also support advanced network standards to optimize network performance, reduce maintenance cost, and secure network safety.

Specifications

Communications

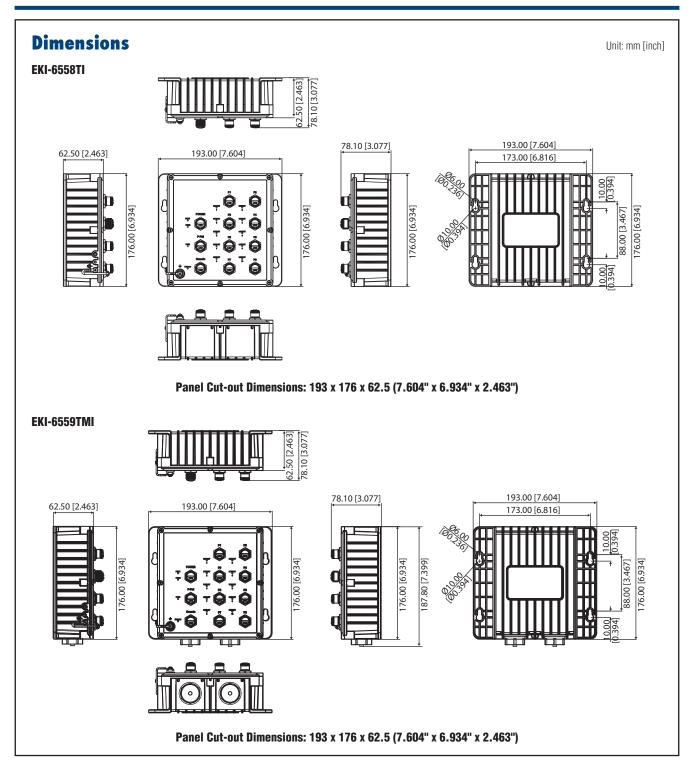
AD\ANTEC All product specificat

 Standard LAN Transmission Speed Interface Ethernet Fiber Optic 	IEEE 802.3, 802.3u, 802.3x, 802.3ad, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X 10/100Base-T (X), 100Base-FX Up to 100 Mbps M12, 4-pole D-coded, Female x 8 LC type waterproof x 2, Multi-mode (EKI-6559TMI)	 Power Consumption Power Input Power Connector P-Fail Output P-Fail Connector Protection Power Reverse 	Max. 8.1 W 12 ~ 48 V_{DC} , redundant dual inputs M12, 5-pole A-coded, male x 1 1A @ 24 V_{DC} M12, 8-pole A-coded, Female x 1 Present
- Console	M12, 8-pole A-coded, Female x 1	Environment	
Network Management Configuration VLAN Redundancy	Web browser, Telnet, Serial console, TFTP, SNMPv1/ v2c/v3, Port Speed/Duplex Configuration, IPv6 IEEE 802.1Q, GVRP, Port-based VLAN Advantech X-Ring Pro (Recovery time < 20 ms at 250 pcs full loading ring structure), Dual Homing, Dual Ring, Couple Ring, 802.1w/D RSTP/STP	 Operating Temperature Storage Temperature Operating Humidity Storage Humidity MTBF 	-40 ~ 75°C (-40 ~ 167°F) -40 ~ 85°C (-40 ~ 185°F) 5 ~ 95% (non-condensing) 0 ~ 95% (non-condensing) 388,201 hours (EKI-6558TI) 320,420 hours (EKI-6559TMI)
 Security 	IP Access security, port security, DHCP Server, Port and IP Binding, 802.1X Port Access Control, SSL	Certification Safety 	UL 508
Traffic Control	IGMP Snooping/Query for multicast group management, Port Trunking, Static/802.3ad, LACP Rate limit and storm control, IEEE 802.1p QoS CoS/TOS/ DSCP priority queuing, IEEE 802.3x flow control	• EMI • EMS	FCC Part 15 Subpart B Class A, EN 55022 Class A EN 61000-4-2 EN 61000-4-3 EN 61000-4-4
 Diagnostics 	Port Mirroring, Real-time traffic statistic, MAC Address Table, SNTP, Syslog, Ernail Alert, SNMP Trap, RMON		EN 61000-4-5 EN 61000-4-6 EN 61000-4-8
	IP67, aluminum shell with solid mounting kits 193 x 176 x 62.5 mm (7.59" x 6.93" x 2.46") Wall	 Shock Freefall Vibration Railway 	IEC 61373 IEC 60068-2-32 IEC 61373 EN50155, EN 50121-3-2, EN 50121-4

Power

W x H x D	IP67, aluminum shell with solid mounting kits) 193 x 176 x 62.5 mm (7.59" x 6.93" x 2.46") Wall	 Shock Freefall Vibration Railway
н	Industrial Ethernet Soultions	
ions are subje	ect to change without notice	

EKI-6558TI EKI-6559TMI



Ordering Information

EKI-6558TI

EKI-6559TMI

EN50155 8-port M12 Managed Ethernet Switch EN50155 8-port M12+ 2-port FX Managed Ethernet Switch