AEIO-6541*x* Ethernet to Multi-Mode SC Type Fiber Optic Converter 01/22/14

Features

- Supports 1-port 100 Mbps multi-mode fiber optic
- Supports full/half duplex flow control
- Supports Integrated Loop-up engine
- Supports MDI/MDI-X auto crossover
- Provides broadcast storm protection
- Embedded switch controller supports auto-negotiation
- Embedded memory buffer supports, stores, and forwards transmission

Specifications

Input

Standard	IEEE 802.3 IEEE 802.3u IEEE 802.3*x*
LAN	10/100 Base-TX 100 Base-FX
Transmission Distance	**Ethernet** — Upt to 100 m
	Fiber — Multi-mode: Up to 2 km Single-mode: Up to 20 km
Transmission Speed	Up to 100 Mbps

General

Dimensions	70 x 112 x 27 mm (WxHxD)
Enclosure	IP30 ABS+PC with solid mounting hardware
Mounting	DIN 35 rail, stack, wall
MTBF	550,000 hrs.
Relative Humidity (non-condensing)	Operating: 20 ~ 95% Storage: 0 ~ 95%
Temperature	Operating : -10 ~ 65°C Stack: -10 ~ 60°C Storage: -20 ~ 80°C

Interface

Connectors	**AEIO-6541, AEIO-6541P, AEIO-6541S:** (1) RJ-45 (1) SC Type fiber optic connector **AEIO-6541ST:** (1) RJ-45 (1) ST Type fiber optic connector
LED Indicators	**AEIO-6541, AEIO6541/ST:** Power Full/Link (100 BASE-FX) 100/10 M (Ethernet) **AEIO-6541P, AEIO-6541S:** Power Link/Speed (Fiber) Link/Speed (Ethernet) LFS/Duplex (TX)

Protection

ESD (Ethernet)	4,000 VDC
Surge Protection	3,000 VDC (Power)
Isolation Protection	1,500 VRMS (Ethernet Port)
Power Reverse for AEIO-6541P, AEIO-6541S	
Overload	1A/125V Replaceable Fuse (AEIO-6541P, AEIO-6541S only

Certifications

Safety	UL 60950-1 CAN/CSA-C22.2 No.60950
EMC	**U.S.A.:** FCC Part 15 CISPR 22 **EU:** EN55011, En61000-6-4 EN55022 Class A, EN61000-3-2/3, EN55024, IEC61000-4-2/3/4/5/6/8/11 EN61000-6-2

Power

Power Connectors	2-pin removable screw terminal
Power Consumption	**AEIO-6541, AEIO-/ST:** 3 W max. **AEIO-6541P, AEIO-6541S:** 3.5 W max.
Power Input	(1) Unregulated 10 ~ 30 VDC