

# AEIO-6541x 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	
<b>Standard</b>	IEEE 802.3 IEEE 802.3u IEEE 802.3x
<b>LAN</b>	10/100 Base-TX 100 Base-FX
<b>Transmission Distance</b>	<b>Ethernet</b> Upt to 100 m
	<b>Fiber</b> Multi-mode: Up to 2 km Single-mode: Up to 20 km
<b>Transmission Speed</b>	Up to 100 Mbps

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

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

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

Certifications	
<b>Safety</b>	UL 60950-1 CAN/CSA-C22.2 No.60950
<b>EMC</b>	<b>U.S.A.:</b> FCC Part 15 CISPR 22 <b>EU:</b> 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	
<b>Power Connectors</b>	2-pin removable screw terminal
<b>Power Consumption</b>	<b>AEIO-6541, AEIO-/ST:</b> 3 W max. <b>AEIO-6541P, AEIO-6541S:</b> 3.5 W max.
<b>Power Input</b>	(1) Unregulated 10 ~ 30 VDC

