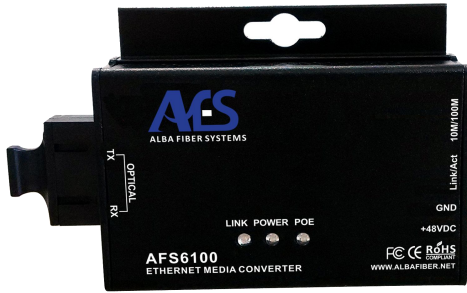
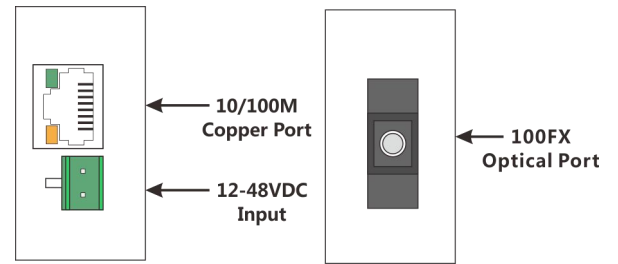


## 2 Ports Industrial 10/100BaseT(X) to 100BaseFX Media Converter 1 x 10/100BaseT(X) Port, 1 or 2 Optical Ports

### PRODUCT PHOTO



### CONNECTION DIAGRAM

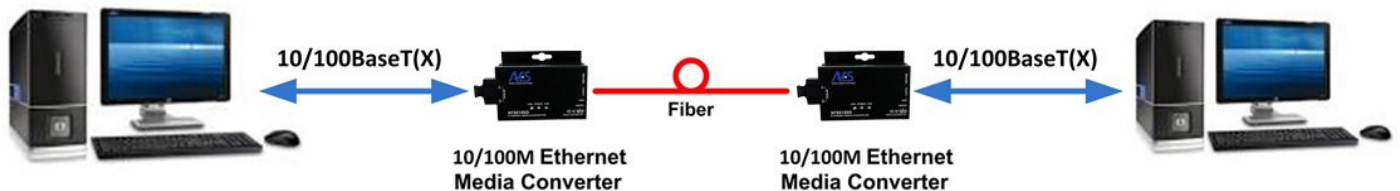


### DESCRIPTION

The ALBA FIBER SYSTEMS Series AFS6100 are media converters designed to transmit and receive 10/100Mbps data over one or two optic fibers. Units feature half or full duplex mode and Auto-Negotiation to 10Mbps or 100Mbps Ethernet rate without adjustments. The optical interface operates at a 100Mbps rate. Plug-and play design ensures ease of installation and no user electrical or optical adjustments are required. The AFS6100 Series are environmentally hardened to operate in extreme temperatures. Features included are LED indicators for monitoring equipment link and performance operating status and auto resettable voltage transient fuses. The Series AFS6100 are outstanding products for transmission of 10/100Mbps Ethernet signals.

### FEATURES

- Mini Size for Industrial Media Converter
- 10/100Mbps Ethernet
- Electrical port supports Auto-Negotiation for 10Mbps or 100Mbps, full or half duplex mode
- Optical port supports 100Mbps full duplex data
- Automatic MDI/MDI-X crossover cables
- Transparent to data encoding/compatible with major data protocols; IEEE 802.3 compliant.
- No Electrical or Optical User Adjustments
- Performance and Link Status Indicator LEDs
- Voltage Transient Protection on Power/Signals
- 1 or 2 fiber Versions, SC
- PoE+ or non PoE selectable
- Auto Resettable Fuses on Power Lines
- 12VDC-48VDC Input Voltage
- Compliance with CE, FCC
- Environmentally hardened to operate in extreme temperatures.



## 2 Ports Industrial 10/100BaseT(X) to 100BaseFX Media Converter 1 x 10/100BaseT(X) Port, 1 or 2 Optical Ports

### DATA

Data Interface	Ethernet
Data Rate	10/100 Mbps

### CONNECTORS

Optical	SC, single or dual Fibers
Power	Terminal Block
Electrical	RJ-45

### OPTICAL PARAMETERS

Fiber Type	Singlemode / Multimode
Wavelengths (MM)	1310/1550nm
Wavelengths (SM)	1310nm/1550nm

### ELECTRICAL & MECHANICAL

Input Power	12VDC-48VDC (48VDC only for PoE+ versions)
Power Consumption	39W Max with PoE+ on all ports; 9W Max w/o PoE+
Current Protection	Auto Resettable Solid - State Current Limiters
Dimensions (L x W x H)	3.27 x 1.98 x 1.02 in. (83.0 x 50.2 x 25.8 mm)
Weight	<1.3lbs. /600g

### ENVIRONMENTAL

MTBF	>100,000 hours
Operating Temp.	-40°F to 167°F; -40°C to 75°C
Storage Temp.	-58°F to 212°F; -50°C to 100°C
Relative Humidity	0% to 95% (non-condensing)
Compliance	CE, FCC

### ORDER INFORMATION

MODEL	DESCRIPTION	# FIBER PORT	# COPPER PORT	PoE+ Port	MAXIMUM DISTANCE
<b>AFS6100-1S-2SC</b>	10/100BaseT(X) to 100BaseFX Media Converter	2	1	0	MM, 1.25 miles (2 Km)
<b>AFS6100-2S-2SC</b>	10/100BaseT(X) to 100BaseFX Media Converter	2	1	0	SM, 23 miles (37 Km)
<b>AFS6100-2S-1ASC</b>	10/100BaseT(X) to 100BaseFX Media Converter	1	1	0	SM, 23 miles (37 Km)
<b>AFS6100-2S-1BSC</b>	10/100BaseT(X) to 100BaseFX Media Converter	1	1	0	SM, 23 miles (37 Km)
<b>AFS6100-1S-2SC-PoE+</b>	10/100BaseT(X) to 100BaseFX Media Converter	2	1	1	MM, 1.25 miles (2 Km)
<b>AFS6100-2S-2SC-PoE+</b>	10/100BaseT(X) to 100BaseFX Media Converter	2	1	1	SM, 23 miles (37 Km)
<b>AFS6100-2S-1ASC-PoE+</b>	10/100BaseT(X) to 100BaseFX Media Converter	1	1	1	SM, 23 miles (37 Km)
<b>AFS6100-2S-1BSC-PoE+</b>	10/100BaseT(X) to 100BaseFX Media Converter	1	1	1	SM, 23 miles (37 Km)

**AFS6100 1=MM(2KM), 2=SM (20Km) 3=SM(40Km) 4=SM(60Km) 5=SM(80Km);**

**S=Standalone, C=Card (rackmount) ; 2= 2 fibers, 1= 1 fiber; 1A1310/1550nm, 1B=1550/1310nm**