

10/100TX to 100FX Mini-size Industrial Fiber Media Converter

- Designed to fit into space-limited Camera(CAM) enclosure
- Available in MM SC, MM ST, SM SC, SFP, WDM connection by request



Benefits

<ul style="list-style-type: none"> ■ System Interface/Performance <ul style="list-style-type: none"> ➢ UTP to Fiber Media Converter ➢ RJ-45 port support Auto MDI/MDI-X Function ➢ Auto Negotiation Speed, Half/Full Duplex ➢ Store-and-Forward Switching Architecture ➢ MAC Address Table Size : 1K and Packet Buffer Size : 1Mbits ➢ Support Link Lose Forwarding(LLF) & Switch and Converter mode ➢ ESD Protection diode on RJ 45 port; Far end Fault function on FX port ➢ Support Wide Operating Temperature (-40°C~75 °C) ■ Power Input <ul style="list-style-type: none"> ➢ Can be powered by 12-56VDC or 18-36VAC or DC Jack Terminal Cable supported (DC Barrel Connector) 	<ul style="list-style-type: none"> ■ Case/Installation <ul style="list-style-type: none"> ➢ IP-40 Protection ➢ DIN Rail and Wall Mount Design ■ Overload Current Protection ■ Power Polarity Reverse Protection ■ Use Isolated power supply to conform with UL 508 Standard
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Standard Compliance

Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/100BASE-FX IEEE802.3x Flow Control and Back pressure
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Hardware Specification

Switch Architecture	Store and Forward
Fiber parameters	SC (Multi-mode): 50/125um~62.5/125um
	SC (Single-mode): 9/125um
	Available distance: 2km (Multi-mode)/30km (Single-mode) Wavelength: 1310nm (Multi-mode/Single-mode)
Link Lose Forward	TX →Fiber: If TX port link down, the media converter will force Fiber port to link down Fiber →TX: If Fiber port link down, the media converter will force TX port to link down
DIP Switch	DIP 1: On: Converter, Off: Switch(Default) DIP 2: On: LFP enable, Off: LFP disabled(Default)
Connector	Fiber: SC (Multi-mode, 2km), SC (Single-mode, 30km), ST (Multi-mode, 2km), SFP, WDM RJ-45 Socket: CAT-3/5 (10/100Mbps) Twisted Pair cable Auto MDI/MDI-X and Auto-Negotiation Function Support
LED Indicator	PWR(Power)(Green): ON – Power is detected
	LK/Act (Green): ON – Fiber is detected
	Flashing – Data is transmitting/receiving
	RJ-45 port
	Green: ON – TX link is detected Flashing – TX data is transmitting/receiving Amber: ON – 100M speed is detected OFF – 10M speed is detected

Reserve polarity protection	Present
Overload current protection	Present
Power Supply	12~56VDC, 18-36VAC, or DC Jack terminal cable supported (DC Barrel Connector) Single Power input only
Power Consumption	Full Load: 1.92 Watts at 48VDC
Removable Terminal Block	3 pin contact terminal block for power input Wire range: 0.34mm ² to 2.5mm ² Solid wire (AWG):12-24/14-22 Stranded wire(AWG): 12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Operating Humidity	5%~95% (Non-condensing)
Operating Temperature	Wide Operating Temperature (-40°C~75°C)
Storage Temperature	-40°C~85°C
Case Dimension	Metal case. IP-40, 59mm (H) x 36mm (W) x 49mm (D)
Installation	DIN Rail and Wall Mount Brackets Included
ISO	Manufactured in an ISO 9001 plant facility
Safety	IEC EN60950-1
EMC	CE, FCC, ROHS, VCCI
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-32

Order Information

Product Name	Description
IEC-U011FM(SC/MM)	10/100TX to 100FX (SC, MM 2km) w/ Wide Operating Temperature (-40°C~75°C) Industrial Switch Converter
IEC-U011FM(SC/SM)	10/100TX to 100FX (SC, SM 30km) w/ Wide Operating Temperature (-40°C~75°C) Industrial Switch Converter
IEC-U011FM(ST/MM)	10/100TX to 100FX (ST, MM 2km) w/ Wide Operating Temperature (-40°C~75°C) Industrial Switch Converter
IEC-U011FMSFP	10/100TX to 100FX (SFP) w/ Wide Operating Temperature (-40°C~75°C) Industrial Switch Converter
IEC-U011FMWM	IEC-U011FMWMA: 10/100TX to 100FX w/ Wide Operating Temperature (-40°C~75°C) Industrial Switch Converter(1310/1550) Multimode 2km SC IEC-U011FMWMB: 10/100TX to 100FX w/ Wide Operating Temperature (-40°C~75°C) Industrial Switch Converter(1550/1310) Multimode 2km SC
IEC-U011FMWS	IEC-U011FMWSA: 10/100TX to 100FX w/ Wide Operating Temperature (-40°C~75°C) Industrial Switch Converter(1310/1550) Single Mode 10km IEC-U011FMWSB: 10/100TX to 100FX w/ Wide Operating Temperature (-40°C~75°C) Industrial Switch Converter(1550/1310) Single Mode 10km

