

FCU-6001-SFP+

10G/5G/2.5G/1G Copper to 10GBASE-X SFP+ Media Converter

Features

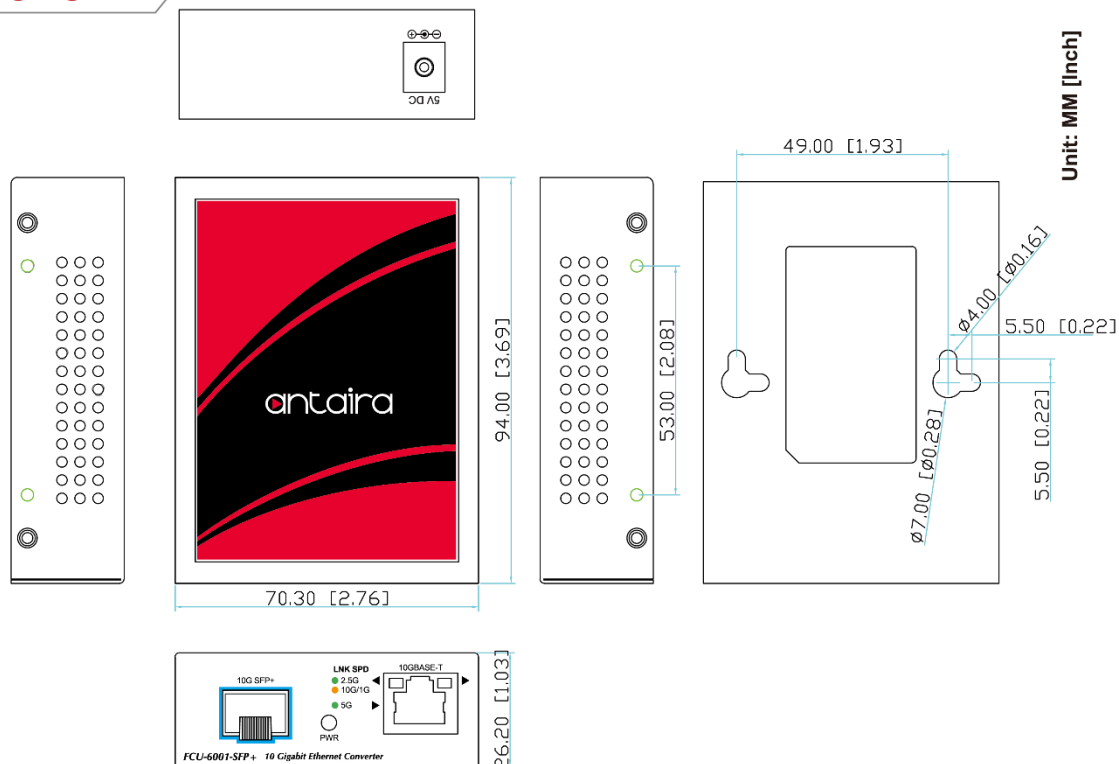
- ▶ Compact Enterprise Grade Design
- ▶ UTP to Fiber Media Converter
- ▶ RJ-45 Port Support Auto MDI/MDI-X Function
- ▶ Jumbo Frame Support: 16Kbytes
- ▶ Multi-Unit Chassis Compatible
- ▶ DIN-Rail or Wall Mountable
- ▶ 20Gbps Switching Fabric
- ▶ 2-Year Warranty



INTRODUCTION

Antaira's FCU-6001-SFP+ media converter is equipped with one 10G/5G/2.5G/1G BASE-T auto-negotiation port and one 10GBASE-X SFP+ slot. It supports 10Gigabit Ethernet media conversion from copper 10GBASE-T to fiber multi-mode or single-mode, utilizing 10GBASE-SR or 10GBASE-LR SFP+ transceiver installed in the SFP+ slot to extend distances to servers, switches and patch panels. The deployment distance can be extended from 300 meters (multi-mode) to up to 60 kilometers (single-mode). They are designed for use in network environments where the ultra-high bandwidth provided by 10Gigabit Ethernet is required, for example, data center cloud computing, enterprise backbones, campus networks, and carrier infrastructure.

DIMENSIONS



SPECIFICATIONS

Technology		Power Requirement	
Standards	IEEE 802.3u 100BaseTX Fast Ethernet	Power Input	5V DC, 2A Max
	IEEE 802.3ab 1000BaseT	Power Consumption	3.75 Watts
	IEEE 802.3bz 2.5G/5GBase-T	Environmental Limits	
	IEEE 802.3an 10GBase_t	Operating Temperature	STD: 0°C ~ 50°C
	IEEE 802.3ae 10Gbps Ethernet	Storage Temperature	-10°C ~ 70°C
IEEE 802.3x full-duplex flow control		Ambient Relative Humidity	5 to 95%, (non-condensing)
Switch Properties		ESD	6KV DC
Protocol	CSMA/CD	Regulatory Approvals	
MAC Table	9K	EMI	FCC Part 15 Class A, CE
Jumbo Frame	16K bytes	Green	RoHS Compliant
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode	Warranty	
		2 Years	
Port Interface			
Ethernet Port	1*10G/5G/1GBase-T RJ45 Auto MDI/MDI-X, Auto-negotiation		
Fiber Port	1*10GBase-X R SFP+ interface		
Fiber Wavelength	Depend on SFP+ module		
LED Indicators	Power (PWR): On/Off		
	10G/5G/2.5G/1G Base-T RJ45 Interface		
	1G/10G Link (Orange)		
	5G/2.5G Link (Green)		
Mechanical Characteristics			
Housing	Compact-sized Metal Case		
Dimensions	94 x 70 x 26 mm (W x H x D)		
Weight	Unit: 180g		
Mounting	Wall mounting/Chassis		

ORDERING INFO

FCU-6001-SFP+ 10G/5G/2.5G/1G Copper to 10GBASE-X SFP+ Media Converter

Optional Accessories

SFP-10G-M	10G SFP+ Transceiver, Multi-Mode 300M / LC / 850nm, 0°C~70°C
SFP-10G-S10	10G SFP+ Transceiver, Single-Mode 10KM / LC / 1310nm, 0°C~70°C
SFP-10G-WA10	10G Fiber SFP+ Transceiver WDM-A, Single Mode 10Km / LC / TX: 1270nm RX: 1330 nm, 0°C~70°C
SFP-10G-WB10	10G Fiber SFP+ Transceiver WDM-B, Single Mode 10Km / LC / TX:1330nm RX:1270nm, 0°C~70°C