10/100Mbps Standalone Media Converter

Product Features

Complies with IEEE802.3u 10Base-T/100Base-TX, 100Base-FX Standards.
TP port support Auto-MDIX & Auto-negotiation.
TP port up to 100 meters for shielded/unshielded twisted pair cable.
Supports Full-duplex & Half-duplex operation on TP base on Auto-negotiation.
Switch base design support flow control capability.
Supports Full-duplex & Half-duplex operation on fiber by slide switch.
100Base-FX interface for up to 5km. (Use 50/125 µm or 62.5/125 µm MMF optic cable)
100Base-FX interface for up to 60 km. (Single-mode 9/125 µm SMF optic cable)
LED indicator supports.
Multiple fiber connector supports. (SC, ST, MT-RJ, LC…etc)
Supports fault propagation.
Can be installed on media converter chassis.

Interface

Part Number Note 1	Bit Rate (Mbps)	Wavelength (nm)	Media	Distance	TX Power (dBm)	RX Sens. (dBm)	Temp (°C)Note2	Voltage (V)Note3
UF01	155	850 / 1310	MMF	2 km	-14~20	<-31	0~45	3.3
UF02	155	1310	SMF	30 km	-8~15	<-34	0~45	3.3
UF04	155	1310	SMF	60 km	0~5	<-35	0~45	3.3
UF05	155	1550	SMF	80km	0~5	<-35	0~45	3.3
UF07	155	1550	SMF	120km	0~5	<-35	0~45	3.3
UF11	155	850 / 1310	MMF	2 km	-14~20	<-31	0~45	3.3
UF22	155	850 / 1310	MMF	2 km	-14~20	<-31	0~45	3.3
UF21	155	1310	SMF	20 km	-15~-7	<-32	0~45	3.3

Technical Specifications

Standards	: IEEE 802.3u 10Base-T/100Base-TX and 100Base-FX
Media support	: 10BASE-T EIA/TIA 568 Cat3, 4, 5, 5e or 6 UTP/STP
	: 100Base-TX EIA/TIA 568 Cat5, 5e or 6 UTP/STP
	: 100Base-FX Multi-mode 50/125 µm & 62.5/125 µm MMF
	: 100Base-FX Single-mode 9/125 µm SMF
Data Transfer Rate	: 100Mbps/10Mbps
LED indicators	: System - power
	: Twisted pair port – Link/Activity, Speed and FDX/Col
	: Fiber port – Link/Activity & FDX LEDs
Temperature	: 0°C to 45°C (Operating)
	: -20°C to 90°C (Storage)
	: 10% to 90% (Non-condensing)

Humidity	: 3.4 Watts (max)
Power consumption	: 5V DC 1A
Power Requirement	: FCC Class A, CE Mark
Certifications	: 102 mm ´ 74 mm ´ 22 mm (L ´ W ´ H)
Dimensions	: 230g (No power adapter)
Weight	

1000Mbps Standalone Media Converter

Product Features

Complies with IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LX Standards.
TP port support Auto-MDIX & Auto-negotiation.
Up to 100 meters for 1000Base-T Cat5, 5e or 6 twisted pair cable.
Supports Full-duplex operation. (Gigabit Std)
Switch base design support flow control capability.
1000Base-SX interface for up to 220 meters.
(Multi-mode 62.5/125 µm MMF optic cable)
1000Base-SX interface for up to 550 meters.

(Multi-mode 50/125 µm MMF optic cable)
1000Base-LX interface for up to 40 km.
(Single-mode 9/125 µm SMF optic cable)
LED indicator supports.
Multiple fiber connector supports.
(SC, LC, GBIC, SFP LC…etc)
Can be installed on media converter chassis.
(10 inch or 19 inch)

Interface

Part Number Note 1	Bit Rate (Mbps)	Wavelength (nm)	Media	Distance	TX Power (dBm)	RX Sens. (dBm)	Temp (℃)Note2	Voltage (V)Note3
UF31	1250	1310	MMF	2km	-4~-9.5	<-18	0~45	3.3/5
UF32	1250	1310	SMF	10 km	-3~9.5	<-20	0~45	3.3/5
UF33	1250	1310	SMF	20 km	-3~9.5	<-20	0~45	3.3/5
UF41	1250	850	MMF	300/500 m	-4~-9.5	<-17	0~45	3.3/5
UF42	1250	1310	SMF	25 km	>-7	<-23	0~45	3.3/5

Technical Specifications

Standards	: IEEE 802.3ab 1000Base-T
	: IEEE 802.3z 1000Base-SX/LX
Media support	: 1000BASE-T Cat5, 5e or 6 UTP/STP
	: 1000Base-SX Multi-mode 50/125 µm & 62.5/125 µm MMF
	: 1000Base-LX Single-mode 9/125 µm SMF
Distances support	: Twisted pair STPà100 meters / 328ft.
	: 220m for 62.5/125 µm MMF optic cable
	: 550m for 50/125 µm MMF optic cable
	: 40km for 9/125 µm SMF optic cable.
Wavelength	: 850nm for 1000Base-SX & 1310nm for 1000Base-LX

Data Transfer Rate	: 1000Mbps
LED indicators	: System - power
	: Twisted pair port – Link & TX LEDs
	: Fiber port – Link & RX LEDs
Temperature	: 0℃ to 60℃ (Operating)
	: -20℃ to 90℃ (Storage)
Humidity	: 10% to 90% (Non-condensing)
Power consumption	: 5.2 Watts (max)
Power Requirement	: 5V DC 1.4A
Certifications	: FCC Class A, CE Mark
Dimensions	: 102 mm ´ 74 mm ´ 22 mm (L ´ W ´ H)
Weight	: 240g (No power adapter)