

LAN EQUIPMENT

MEDIA CONVERTER

100 BASE-T FX SM and MM

Description



All ORCA® Fast Ethernet Converters are compact size units with metal cases, to fulfill the FCC emission standards. The 100Base-TX and the 100Base-FX converter feature LED diagnostics for Power, Activity, Link and Full Duplex / Half Duplex operation. All converters are fully compliant with the IEEE 802.3 & 802.3u Fast Ethernet standards and feature one STP-RJ45 10/100Base-TX port as well as one Fiber Optic 100Base-FX (SC/ST/MTRJ) port. In multi mode applications distances up to 100m/300m can be achieved. Each unit is powered by an external power supply. Installation of the Fast Ethernet converter is simple and straightforward.

The powerful features are as 10/100 Auto Negotiation, Auto cross over for TP port, Fiber Link Alarm, Voltage supervisor, and support switch mode & pure converter mode.

Feature:

Comply with IEEE 802.3 & 802.3u Fast Ethernet standards

Support 1 100Base-FX fiber port and 1 10/100Base-TX Ethernet port, 10/100Mbps Auto Negotiation

Easy to read LED Indication: Power, FDX, TP 100, TP Link/Act, Fiber 100, Fiber Link/ACT

Full and half duplex communication.

Auto cross over for TP port

Support Link Alarm and Voltage supervisor

Support Switch mode & Pure converter mode

Dual Port 10/100Mbps Switch inside

Plug and play

Packet Buffer Size: 1M, MAC Table Size: 1K, Store and Forward: 9.6us, Error Rate: <1/1000000000

Metal Case - Dimensions: 71x94x26mm (WxDxH) - 400g

External Pw Adapter: AC 220V 50Hz - DC 5V, 2A Full Load: <2.5 watts

Operating Temperature: -10-70°C; Storage Temperature: -10-70°C; Storage Humidity: 5% to 90% non-condensing

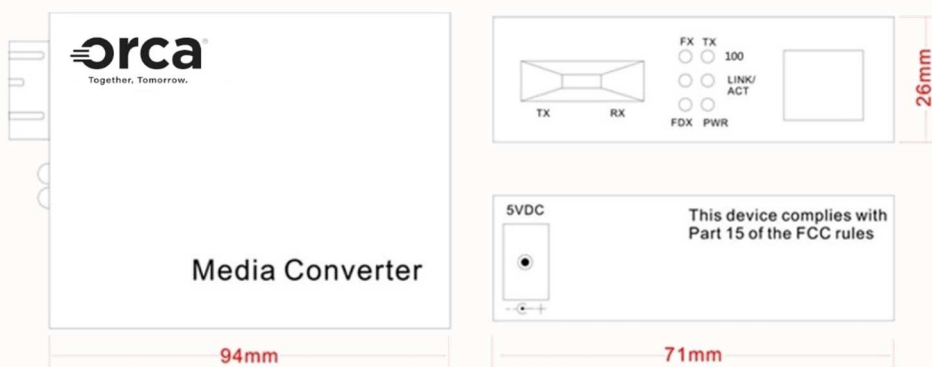
Interface: 10/100Base-TX (RJ-45/STP) / 100Base-FX (FO.MM-SC) version 1310nm - 2Km

10/100Base-TX (RJ-45/STP) / 100Base-FX (FO.MM-ST) version 1310nm - 2Km

10/100Base-TX (RJ-45/STP) / 100Base-FX (FO.SM-SC) version 1310 or 1550nm - 20Km (*)

Data:	MM (2Km)	SM (25Km)
Min TX PWR	-19,0 dBm	-15,0 dBm
Max TX PWR	-14,0 dBm	-7,0 dBm
Sensitivity	-30,0 dBm	-34,0 dBm
Link Budget	11,0 dBm	19,0 dBm

(*) Single mode, on project: @1310nm 20/40Km, @1550nm 60/80/100/120km and Single fiber, bidirectional.



Safety standards:

Filtering rate:

ETH: 14.880 pps F/ETH: 148.000 pps

Electrical UL, CSA

EMI FCC Part 15 Class A, CE



Led Light	Function	State	Working
PWR	Power status	On	Power on
		Off	Power off
FX LINK/ACT	100Base-FX fiber port link status indicator light	On	Fiber connected
		Blinking	Date transfer
		Off	No connection
FDX	100Base-FX fiber port operation	On	Full duplex
		Off	Half duplex
TX-100	Ethernet(RJ45) port mode	On	100Mbps
		Off	10Mbps
TX LINK/ACT	Ethernet(RJ45) port status	On	Ethernet connected
		Blinking	Date transfer
		Off	No connection
FX-100	100Base-FX fiber port link status indicator light	On	Fiber Connected
		Off	No connection

Ordering Information code:

OC-LAN-481210-01	ORCA - Media Converter Fast Ethernet MM 100BaseT-FX, SC (1310nm - 2Km)
OC-LAN-482210-01	ORCA - Media Converter Fast Ethernet MM 100BaseT-FX, ST (1310nm - 2Km)
OC-LAN-481210-02	ORCA - Media Converter Fast Ethernet SM 100BaseT-FX, SC (1310nm - 20km)