MEDIA CONVERTER
1000 BASE-T FX SM and MM

Description

All ORCA® Gigabit Fiber Media Converters are compact size units with metal cases.
The traditional 10/100/1000 gigabit Ethernet can be extended to distance of 100Km (depending by models) through optical fiber link. Performance and quality of product are guarantee to adopting latest Gigabit IC from USA ant Taiwan.
6 group LED indicted lights could fully monitor the working condition of converter and link. It is easy for users to observe and diagnose the failure of the connection. Gigabit Converters can be use stand-alone or inserted to 16 slots RACK (optional)

Feature:

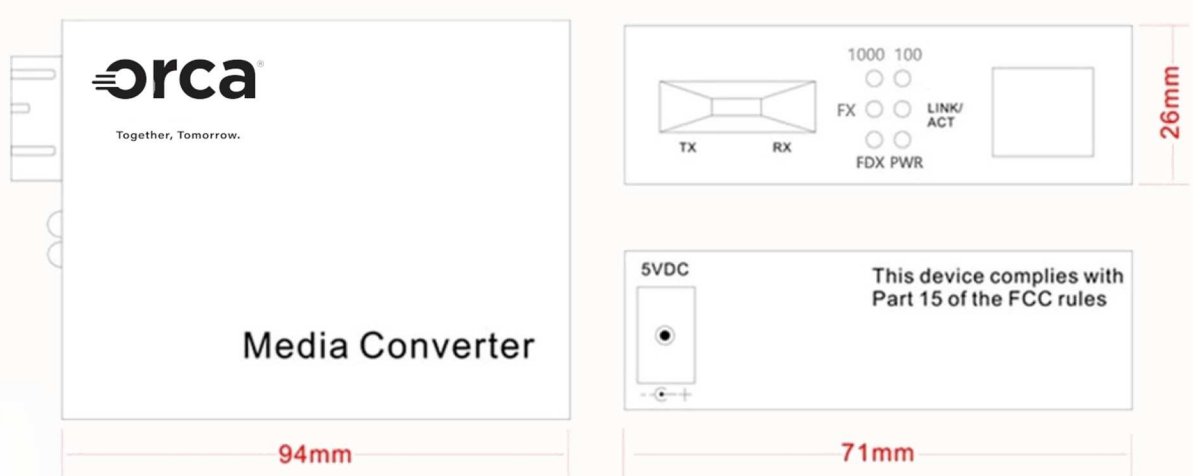| Feature |
| --- |
| Support 1 1000Base-FX fiber |
| Auto negotiation function allows UTP ports to auto select 10/100/1000M |
| Full and Half duplex |
| The UTP ports supports the connection of MDI/MDI-X auto crossover |
| Supporting max 1536 byte ETH packets |
| Supporting flow control Full duplex IEEE 802.3x and back pressure Half duplex |
| IEEE 802.3z/AB, 1000Base-T and 1000Base-SX/LX |
| Easy to read LED indicators, Plug and Play |
| Packet Buffer Size: 1M; MAC Table Size: 1K; Store and Forward: 9.6us; Error Rate: <1/1000000000 |
| Metal Case – Dimensions: 94x71x26mm (WxDxH) - 400g |
| External Pw Adapter: AC 220V 50Hz – DC 5V, 2A - Full Load: <2.5 watts |
| Operating Temperature: -10-70℃; Storage Temperature: -10-70℃; Storage Humidity: 5% to 90% non-condensing |

Data:	MM (224/550m)	SM (*20Km ver.)
Wavelength	850nm	1310nm
Min TX PWR	-11/-3 dBm	-10/-3 dBm
Sensitivity	-18,0 dBm	-21,0 dBm
Link Budget	7,0 dBm	11,0 dBm

(*) @1310nm 40, 60Km; @1550nm 80, 100 Km; single fiber version and 16 slot rack on project request.

The actual distances will depend on several factors including the quality of cables used
and the terminal equipment employed.

Media Converter

94mm

26mm

71mm

5VDC

This device complies with
Part 15 of the FCC rules

1000 100
FX LINK/ACT
TX RX
FDX PWR

Safety standards:

Electrical UL, CSA	EMI FCC Part 15 Class A, CE

Led Light	Function	State	Working
PWR	Power status	On	Power on
		Off	Power off
LINK/ACT	10/100/1000Base-TX Ethernet port operation	On	Ethernet connected
		Blinking	Date transfer
		Off	No connection
1000	Ethernet(RJ45) port mode	On	1000Mbps date transfer
		Off	100Mbps or no connection
TX-100	Ethernet(RJ45) port mode	On	100Mbps date transfer
		Off	1000Mbps or no connection
FX	1000Base-FX fiber port operation	On	Fiber connected
		Blinking	Date transfer
		Off	No connection
FDX	1000Base-FX fiber port link status indicator light	On	Full duplex
		Off	half duplex

Ordering Information code:

OC-LAN-481220-01	ORCA - Gigabit Media Converter MM 1000BaseT-SX, SC (850nm - 550m)
OC-LAN-481220-02	ORCA - Gigabit Media Converter SM 1000BaseT-LX, SC (1310nm - 20Km)