FIBERROAD

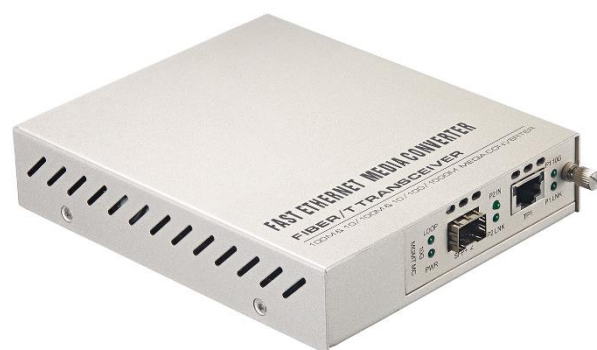# Managed Media Converter

The 10G SFP+ Fiber Media Converter is a highly advanced piece of technology designed to deliver top-notch performance and reliability in fiber optic networks. With its cutting-edge capabilities, this converter can transmit data at speeds up to 10 Gigabits per second over long distances without sacrificing quality or accuracy. Its high-speed connectivity makes it ideal for use in mission-critical applications such as video streaming, VoIP calls, and large-scale file transfers that require lightning-fast data transfer rates. Additionally, the 10G SFP+ Fiber Media Converter boasts a compact size and ease-of-use design that allows for simple installation and configuration within any network infrastructure. Whether you're looking to upgrade your existing system or build a new one from scratch, this powerful media converter is sure to provide you with the speed and efficiency needed to stay ahead of the curve in today's ever-evolving digital landscape.

Main Features

- Device Management Via FR-6016 chassis with NMC
- Complies with IEEE 802.3an 10GBase-T and IEEE 802.3ae 10GBase-R
- Real-Time conversion between 10GBase-T and 10GBase-R
- Common used SFP+ fiber interface and RJ45 connector
- Full duplex wire speed forwording
- Loopback Test
- Fiber Fault Alert
- IEEE 802.1q VLAN pass through

Ethernet Interface

Model		FR-6601
Optical Interface	Connector	SFP+ LC
	Data Rate	10.3125Gbps
	Distance	300m,10km,40km,80km
	Wavelength	850nm,1310nm,1550nm,WDM
Electrical Interface	Connector	RJ45
	Data Rate	10Gbps
	Cable Type	Cat.6a,7
	Distance	95 meters(Cat.7)
Standard		IEEE 802.3an, IEEE 802.3ae
Management		Web-GUI, CLI, EMS(SNMP)

Physical Characteristics

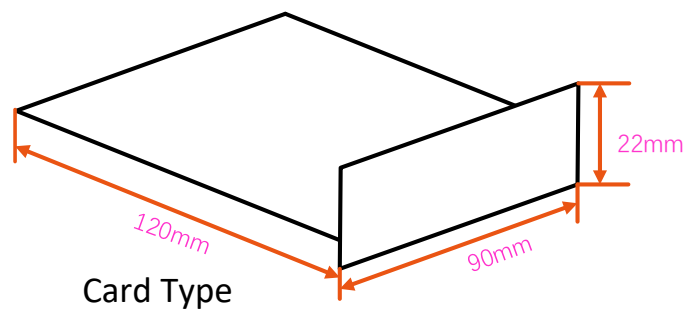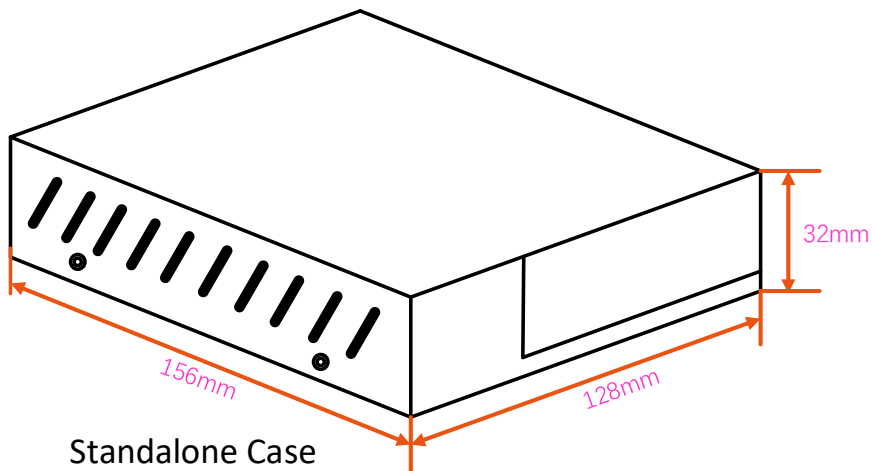|	
Housing	Metal Case
IP Rating	IP30
Dimensions	156mm x 128mm x 32mm (L x W x H) (Standalone Case) 120mm x 90mm x 22mm (L x W x H) (Card)
Installation	Desktop
Weight	400g(Standalone) 200g(Card)

Environmental

Operating Temperature	0℃~50℃ (-40 to 167 ℉)
Operating Humidity	5%~90% (non-condensing)
Storage Temperature	-25℃~70℃ (-40 to 185 ℉)
Heat Dissipation	56 BTU/h
Cooling	Passive Cooling, Fanless Design
Noise Level	0 dBA

Power Supply

Power Input	100-240 VAC,1A or DC48V (Standalone)
Power Input	5V 2A (Card)
Power Consumption	Full Load: ＜5W (Based on Transmission Distance)

LED	Status	Description
P1/LNK	Green	Link through copper port is successfully established, but no data transmission
	Blinking	Copper port is actively sending or receiving data.
	Off	Copper port is linked down.
P2/LNK	Green	Link through Fiber port is successfully established, but no data transmission
	Blinking	Fiber port is actively sending or receiving data.
	Green	Fiber port is actively sending or receiving data
P1 10G	On	RJ45 In Maximum Speed (10G)
P2 In	On	Optical Transceiver Inserted
Loop	On	Loopback mode in active
PWR	On	The Device is Powered On

Package Contents	
Device	1x Managed Media Converter
Installation Kit	1x Region Power Cord
Documentation	1x Quick Installation Guide 1x Warranty Card 1x product notice

Dimension

Standalone Case

Card Type

Precautions

To avoid damage to the equipment and personal injury caused by improper use, please observe the following precautions:

❖ Keep the power off during installation, wear an anti-static wrist, and ensure that the anti-static wrist is in good contact with the skin to avoid potential safety hazards.

❖ The Media Converter can work normally under the correct power supply. Please confirm that the power supply voltage matches the voltage indicated by the switch.

❖ Before powering on the switch, please make sure that the power circuit is not overloaded, so as not to affect the normal operation of the switch and even cause unnecessary damage.

❖ To avoid the risk of electric shock, do not open the case while the switch is working, even if it is not charged, do not open it yourself.

❖ Before cleaning the switch, pull out the power plug of the switch. Do not wipe with a wet cloth. Do not use liquid to clean it.

❖ The equipment installed in the rack is generally from bottom to top to avoid overload installation.

❖ Avoid placing other heavy objects on the surface of the switch to avoid accidents.

Order Information

Model Number	10GBASE-T RJ45	10G SFP+	Optical Port Connector Option	Type	Input Voltage
FR-6601	1	1	LC/SC/ST/FC	Card	5V
FR-6601R	1	1	LC/SC/ST/FC	Standalone	AC220V/DC48V

The information in this document is subject to change without notice. Fiberroad has made all effects to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty. Visit our website for the most up-to-date product information

For more information

For more information about Fiberroad Fiber Media Converter products,
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