Datasheet

Fiber Media Converter

WI-MC101M | WI-MC103G | WI-MC101G | WI-MC111G | WI-MC111GP|WI-MC111GP-O



Overview

Wi-Tek's media converters are designed to convert between 100M Ethernet RJ45port and fiber port, and 1000M Ethernet RJ45 port and fiber port. Carrying out long-distance data and video signal transmission via optical fiber, Wi-Tek's media converters facilitates the convenience of network upgrade and flow control. With ultra-low transmission delay and line speed forwarding ability, they can realize flexible Ethernet expansion even in harsh environment.

Features

Supports 100Mbps and 1000Mbps data transfer rates to meet a range of requirements.

Support full-duplex and half-duplex transmission mode.
(For WI-MC101M,WI-MC103G,WI-MC101G,WI-MC111G, WI-MC111GP)

Equipping with high-performance chip to ensure stable network.

Powerful heat dissipation function with double-side ventilation design.

Support 802.3af/at PoE Out, which enables the port to carry out data and power via one Ethernet cable at the same time and makes deployment more flexible.
(For WI-MC111GP,WI-MC111GP-O)

IP65 Weatherproof Enclosure
Built to withstand harsh outdoor conditions with an IP65-rated weatherproof housing, ensuring reliable operation in various environments.
(For WI-MC111GP-O)

Specifications







Model	WI-MC101M	WI-MC103G	WI-MC101G
Interface	1*100Mbps SC/UPC Port 1*100Mbps Ethernet RJ45	1*1000Mbps SC Port 1*1000Mbps Ethernet RJ45 Port	1*1000Mbps SC/UPC Port 1*1000Mbps Ethernet RJ45 Port
Wave Length	A-End: TX1310nm, RX1550nm; B-End: TX1550nm, Rx1310nm		
Optical parameters	A-End: Tx Power: -12dBm ~ -1dBm Rx Sensitivity: -32dBm B-End: Tx Power: -12dBm ~ -3dBm Rx Sensitivity: -32dBm		A,B-End: Tx Power: -12dBm ~ 0dBm Rx Sensitivity: -23dBm
Transmission Media	Single-mode Fiber		
Transmission Distance	20km	3km	20km
Max Power Consumption	2.5W	3W	3.3W
Power Supply	DC-IN 5V/1A	DC-IN 5V/1A	DC-IN 5V/1A
Indicators	FX 100M (Optical Link) Solid on: Optical Link On Off: Optical Link Down TX 100M (Network Link) Solid on: Link Connected Flash: Data Transmission Off: Link Disconnected FX Link (Optical data) Solid on: Optical Link Connected Flash: Data Transmission Off: Optical Link Disconnected TX Link (Network data) Solid on: Link Connected Flash: Data Transmission Off: Link Disconnected PWR (Power indicator) Solid on: the device power on is	1000M (1000M Network Link) Solid on: 1000M Network Link 100M (100M Network data) 100M Network Link FX (Optical Link&Act) Solid on: Optical Link Connected Flash: Data Transmission Off: Optical Link Disconnected Link (Network Link&Act) Solid on: Link Connected Flash: Data Transmission Off: Link Disconnected PWR (Power indicator) Solid on: the device power on is normal Off: the device is power off or failed FDX (Network mode) Solid on: Full-Duplex Off: Half-Duplex	

Indicators	normal Off: the device is power off or failed FDX (Network mode) Solid on: Full-Duplex Off: Half-Duplex		
Dimensions	Product Dimension: 96*70*27mm Package Dimension: 243*191*59mm	Product Dimension: 96*70*27mm Package Dimension: 243*191*59mm	Product Dimension: 96*70*27mm Package Dimension: 243*191*59mm
Weight	Net Weight: 0.19*2kg Gross Weight: 0.78kg	Net Weight: 0.19*2kg Gross Weight: 0.75kg	Net Weight: 0.19*2kg Gross Weight: 0.77kg
Environment	Operating Temperature: -20℃ ~ 50℃ (-4℉ ~ 122℉) Storage Temperature: -40℃ ~ 70℃(-40℉ ~ 158℉) Operating Humidity: 10% ~ 90%(non-condensing) Storage Humidity: 5% ~ 95% (non-condensing)		
Certification	CE, FCC, RoHS, UKCA, RCM		





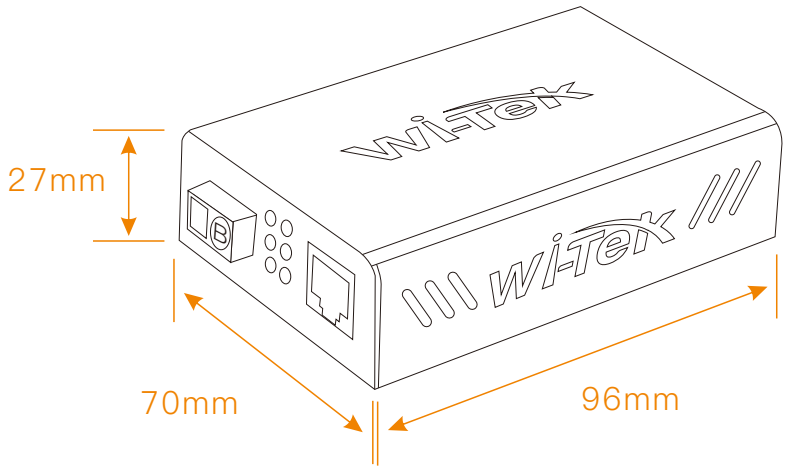


Model	WI-MC111G	WI-MC111GP	WI-MC111GP-O
Interface	1*1000Mbps SFP Slot 1*1000Mbps Ethernet RJ45 Port	1*1000Mbps SFP Port 1*1000Mbps RJ-45 Port with 802.3af/at PoE Out	1*1000Mbps SFP Port 1*1000Mbps RJ-45 Port with 802.3af/at PoE Out
Wave Length	Depend on used SFP module		
Transmission Media	Single-mode Fiber or Multi-mode Fiber		
Transmission Distance	Depends on the inserting SFP module		
Max Power Consumption	3.5W	3W	3W
Power Supply	DC-IN 5V/1A	DC-IN 48-52V/0.92A	DC-IN 44-57V
Indicators	1000M（1000M Network Link) Solid on: 1000M Network Link 100M（100M Network data) 100M Network Link FX（Optical Link&Act) Solid on: Optical Link Connected Flash: Data Transmission Off: Optical Link Disconnected Link（Network Link&Act) Solid on: Link Connected Flash: Data Transmission Off: Link Disconnected PWR（Power indicator) Solid on: the device power on is normal Off: the device is power off or failed FDX（Network mode) Solid on: Full-Duplex Off: Half-Duplex		

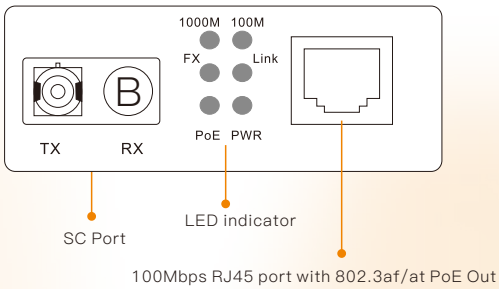
Dimensions	Product Dimension: 99*70*27mm Package Dimension: 207*161*55mm	Product Dimension: 99*70*27mm Package Dimension: 207*161*55mm	Product Dimension: 160*83*44mm Package Dimension: 195*98*65mm
Weight	Net Weight: 0.2kg Gross Weight: 0.40kg	Net Weight: 0.2kg Gross Weight: 0.45kg	Net Weight: 0.16kg Gross Weight: 0.24kg
Environment	Operating Temperature: –20℃ ~ 50℃(–4℉ ~ 122℉) Storage Temperature: –40℃ ~ 70℃(–40℉ ~ 158℉) Operating Humidity: 10% ~ 90%(non–condensing) Storage Humidity: 5% ~ 95% (non–condensing)		Operating Temperature: 0~40℃（32~104℉） Storage Temperature: –40~70℃ （–40~158℉） Operating Humidity： 10%~90%，non–condensing Storage Temperature: 5%~95%，non–condensing
Certification	CE, FCC, RoHS, UKCA, RCM		

WI-MC101M

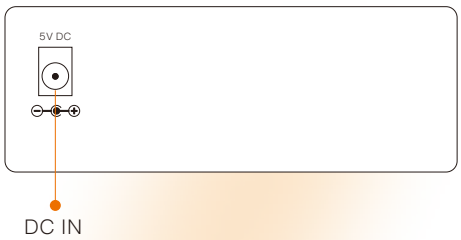
Dimensions (mm)



Front Panel

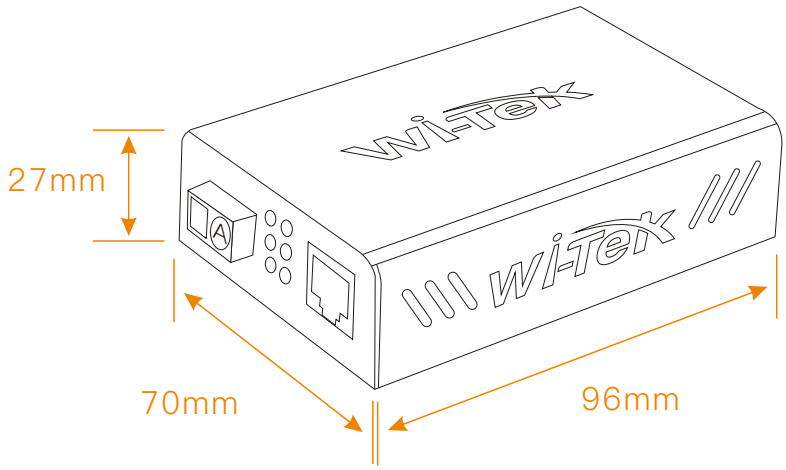


Rear Panel

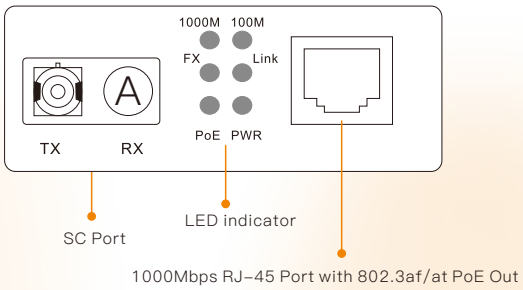


WI-MC103G

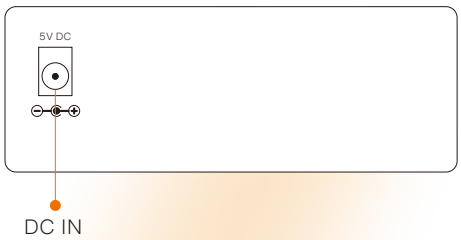
Dimensions (mm)



Front Panel

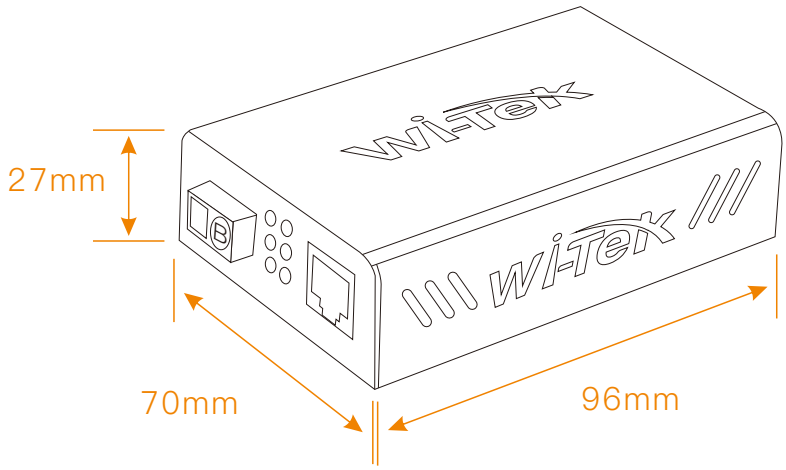


Rear Panel

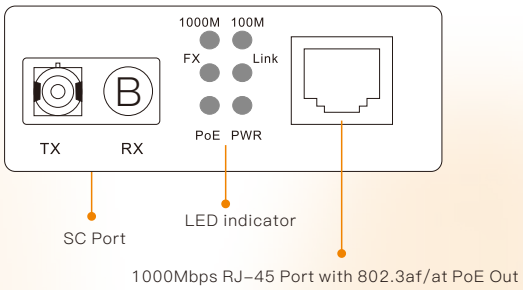


WI-MC101G

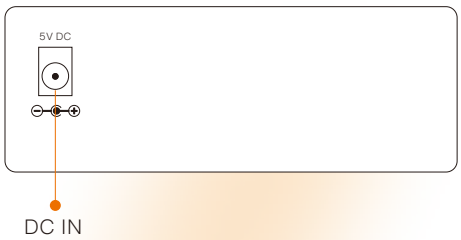
Dimensions (mm)



Front Panel

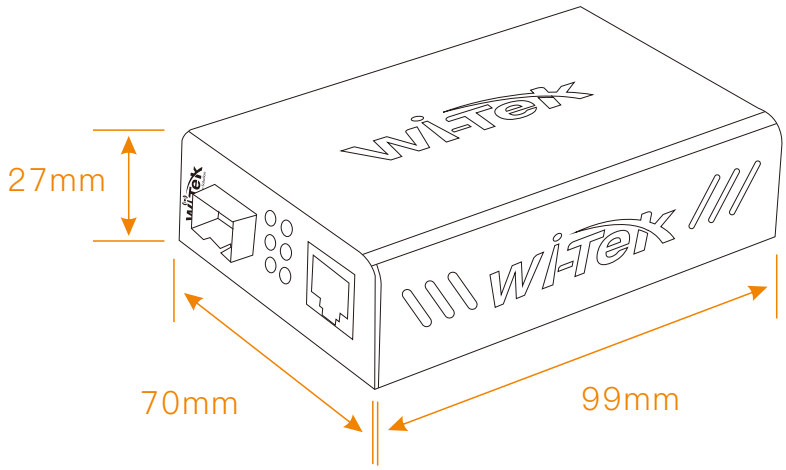


Rear Panel

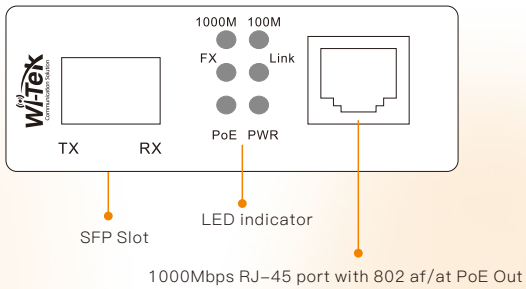


WI-MC111G

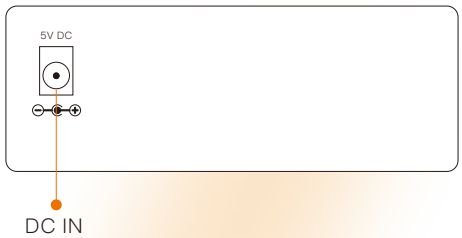
Dimensions (mm)



Front Panel

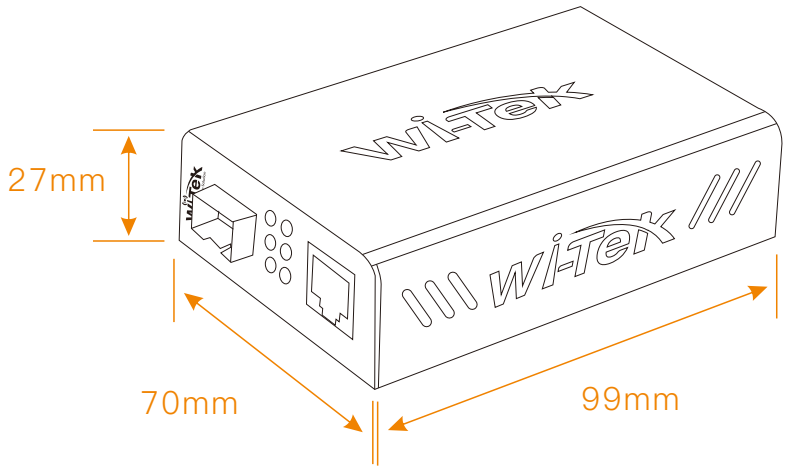


Rear Panel

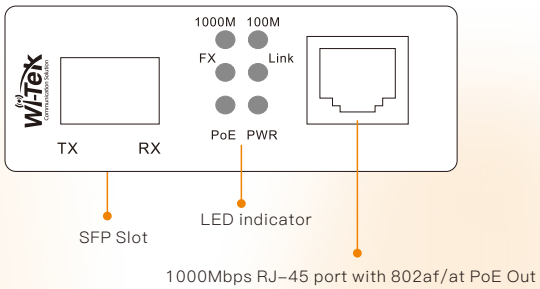


WI-MC111GP

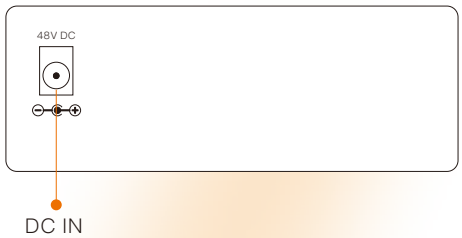
Dimensions (mm)



Front Panel

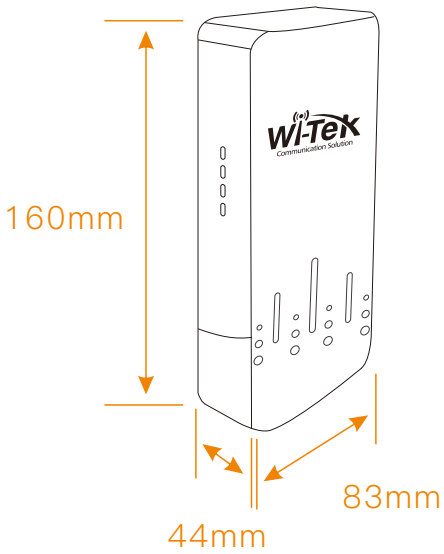


Rear Panel

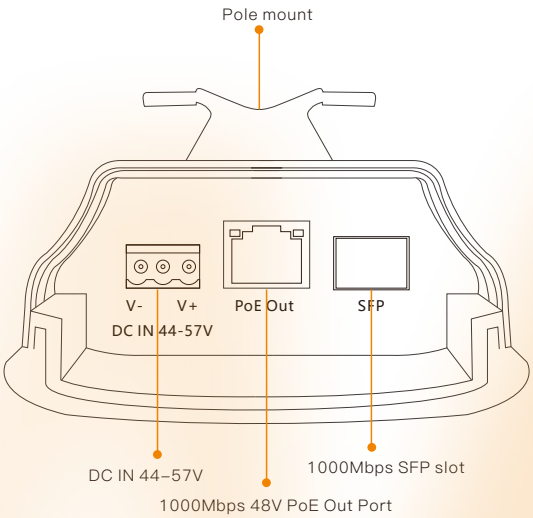


WI-MC111GP-O

Dimensions (mm)



Front Panel



Package Contents

Welcome to order our products. After purchasing, you will receive:

Package Content (For WI-MC101M, WI-MC103G, WI-MC101G)	
Items	Quantity
Media Converter	2 pcs
Power Adapter	2 pcs
Power Adapter	1 pcs

Package Content (For WI-MC111G, WI-MC111GP)	
Items	Quantity
Media Converter	1 pcs
Power Adapter	1 pcs
Quick Installation Guide	1 pcs

Package Content (For WI-MC111GP-O)	
Items	Quantity
Media Converter	1 pcs
Quick Installation Guide	1 pcs
Plastic Strap	1 pcs

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Technical Support | Cloud Management | Company Website

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