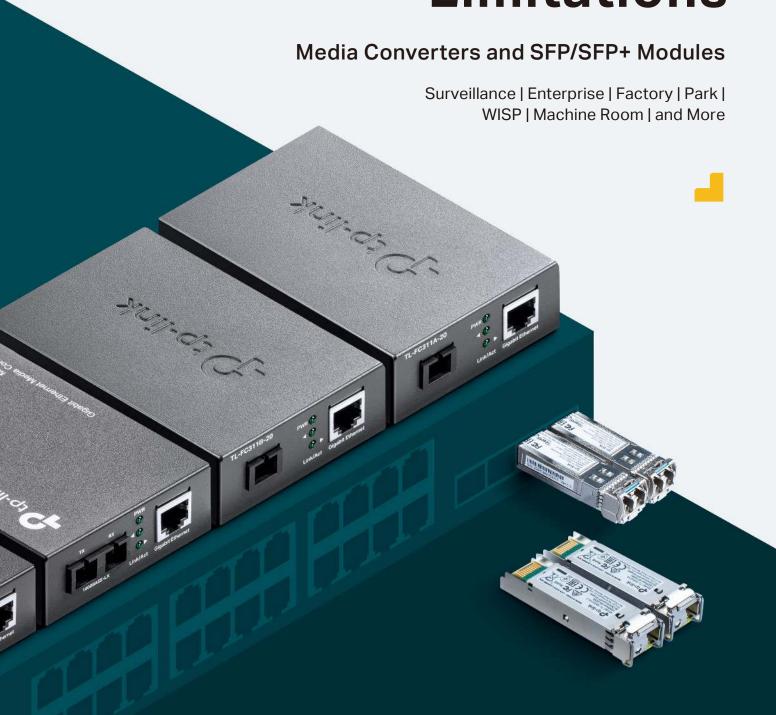


Simple and Reliable Way to Overcome the Distance Limitations



Simple and Reliable Way to Overcome the Distance Limitations

TP-Link offers 100 Mbps and 1000 Mbps media converters to realize reliable network connections, making the long-distance network deployments of surveillance cameras in businesses, factories, and parks simpler.

Flexible Selections of Distance and Speed

A wide range of media converters are available, offering different maximum transmission distances of between 2 km to 20 km. Different speeds provide flexible deployment options.

Cost Effective Solution with WDM*

WDM (Wave Division Multiplexing) technology enables you to transmit and receive data over one single fiber strand instead of two.

➤ Stable Network Transmission

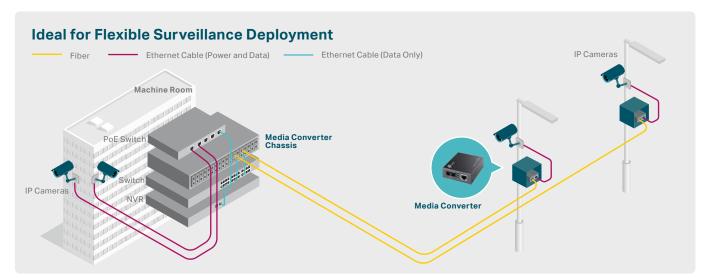
The stability of fiber transmission guarantees our stable monitoring of sensitive areas and point-to-point connections.

> Innovative Combination of PoE and Fiber**

The PoE output port of media converter provides a direct data and power connection to the IP camera, making remote camera deployment easier and more convenient.

100 Mbps Media Converters Benefit Flexible Surveillance

TP-Link Fast Ethernet Media Converters are designed to address the needs of flexible long-range surveillance deployment with optical fibers. It provides an economical path towards extending the distance of an existing network.





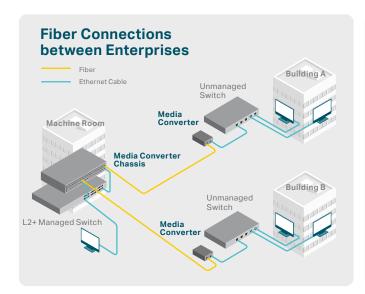


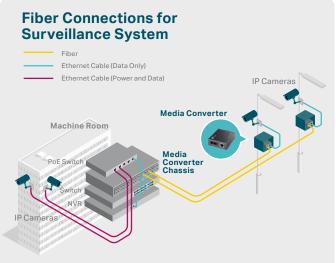


TP-Link 100 Mbps Media Converters at a Glance										
Product Picture										
Model	MC100CM	MC110CS	MC111CS	MC112CS	TL-FC111A-20	TL-FC111B-20	TL-FC111PB-20			
Power Input		9\/0).6A	5V/0.6A		48V/0.5A				
Fiber Ports	2× 100 Mbps \$	ops SC Fiber Ports 1× 100 Mbps SC Fiber Port			1× 100 Mbps SC Fiber Port					
Copper Ports		1× 10/100 Mbps RJ45 Port				1× 10/100 Mbps RJ45 Port 1× 10/100 Mbp RJ45 PoE Por				
Transmission Diatance	2 km	20 km			20 km					
Fiber Type	Multi-Mode	Single-Mode			Single-Mode					
Fiber Number	Dual	Fibers Single Fiber			Single Fiber					
Wave Length	1310 nm		TX: 1550 nm RX: 1310 nm	TX: 1310 nm RX: 1550 nm	TX: 1550 nm RX: 1310 nm	TX: 1310 nm RX: 1550 nm	TX: 1310 nm RX: 1550 nm			
Dimensions (W × D × H)	3.7×2.9×1.1 in (94.5×73.0×27.0 mm)									
Operating Temperature		0-40 ° C	(32-104°F)	0-50°C (32-122°F)						
Environment	Storage Temperature: -40-70 °C (-40-158 °F) Operating Humidity: 10–90% RH Non-Condensing; Storage Humidity: 5–90% RH Non-Condensing									

Gigabit Media Converters—Long-Range Connections with Fiber

TP-Link Gigabit Media Converters easily extend the distance of an existing gigabit network. Long-range point-to-point connections are easily built with the gigabit fiber converters, making them ideal for connecting the network in another building, remote surveillance system, and automated factory equipment.











TP-Link Gigabit Media Converters at a Glance										
Product Picture		4	4			TO				
Model	MC200CM	MC210CS	MC220L	TL-FC311A-2	TL-FC311B-2	TL-FC311A-20	TL-FC311B-20			
Power Input	9V/0.6A			5V/0.6A						
Fiber Ports	2 × 100/1000 Mbps SC Fiber Ports 1 × Gigabit SFP Port			1× 100/1000 Mbps SC Fiber Port						
Copper Ports	1× 10/100/1000 Mbps RJ45 Port			1× 10/100/1000 Mbps RJ45 Port						
Transmission Diatance	550 m	20 km		2 km 20 km			km			
Fiber Type	Multi-Mode	Single-Mode	Depends on the used	Single-Mode						
Fiber Number	Dual Fibers		SFP module	Single Fiber						
Wave Length	850 nm	1310 nm		TX: 1550 nm RX: 1310 nm	TX: 1310 nm RX: 1550 nm	TX: 1550 nm RX: 1310 nm	TX: 1310 nm RX: 1550 nm			
Dimensions (W × D × H)	3.7×2.9×1.1 in (94.5×73.0×27.0 mm)									
Operating Temperature	0-40°C (32-104°F)			0–50°C (32–122°F)						
Environment	Storage Temperature: -40–70° C (-40–158° F) Operating Humidity: 10–90% RH Non-Condensing; Storage Humidity: 5–90% RH Non-Condensing									

Power Chassis—Ensure the Scalability of Installation



- Up to 14 Media Converter Units
- 9 VDC / 0.6 A Power Output
- Redundant Power Supply
- Hot-Swappable
- Mounted Three Cooling Fans for Better Ventilation



TL-FC1420

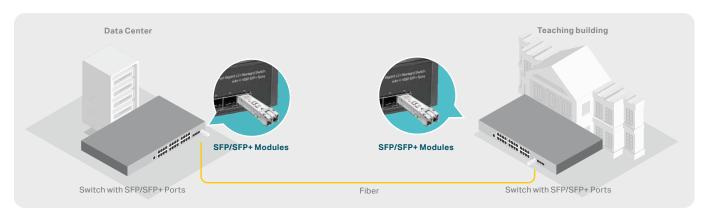
- Up to 14 Media Converter Units
- 5 VDC / 0.6 A Power Output
- Redundant Power Supply
- Hot-Swappable
- •Mounted One Cooling Fan

^{*}Certain media converters are equipped with WDM technology and use single fiber to transmit and receive data.

^{**}Only TL-FC111PB-20 is equipped with PoE output port.

SFP/SFP+ Modules—High-Speed Fiber Connections

TP-Link offers a variety of fiber modules to suit your fiber connectivity applications. Multi-mode and single-mode modules with 1000Base SFP or 10GBase SFP+ ports are available, ideal for linking enterprise fiber networks, campus fiber networks. ISP networks, and more.









TP-Link SFP/SFP+ Modules at a Glance **Product Picture** Model TL-SM311LM TL-SM311LS TL-SM321A-2 TL-SM321B-2 TL-SM321A TL-SM321B TL-SM5110-LR TL-SM5110-SR Data Rate 1.25 Gbps 10 Gbps **Fiber Ports** LC/UPC Duplex LC/UPC Simplex LC/UPC Duplex **Transmission Diatance** 550 m 20 km 2 km 20 km 10 km 300 m Fiber Type Multi-Mode Single-Mode Single-Mode Single-Mode Multi-Mode Fiber Number **Dual Fibers Dual Fibers** TX: 1550 nm TX: 1550 nm TX: 1310 nm TX: 1310 nm Wave Length 850 nm 1310 nm 1310nm 850nm RX: 1310 nm RX: 1550 nm RX: 1550 nm 2.2*0.5*0.4 2.4*0.6*0.5 2.2*0.5*0.5 in in (56.7*13.9* in (61.3*14.5* Dimensions (W × D × H) 2.2*0.6*0.5 in (55.4*14.6*12.9 mm) 12.9 mm) 10.35 mm) 12.2 mm) **Operating Temperature** 0-70 °C (32-158 °F) $Storage\ Temperature: -40-85\ ^\circ C\ (-40-185\ ^\circ F);$ Operating Humidity: 10-90% RH Non-Condensing; Storage Humidity: 5-90% RH Non-Condensing Environment

Reliable and Professional Quality Assurance



Continuous Innovations

Independent research and development.



High-Level Manufacturing

Decades of experience combined with high-tech supporting facilities.



Vertical Integration

In-house manufacturing maintains the quality of every component.



Complete Quality Control

Develops, builds, crafts and sells products from start to finish, running rigorous whole-process quality-control tests.

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