

Enlarge Your Ethernet Network

SFP/SFP+ Media Converter

MC220L/ MC420L



For technical support and other information, please visit https://www.tp-link.com/support/?type=smb, or simply scan the QR code. @ 2024 TP-Link 7106511407 REV1.0.1

Package Contents: Media Converter, Power Adapter, User Guide



LED Explanation

PWR

|) | |
|---|--|

On: Power on. Off: Power off.

Link/Act (for MC220L)

FX

On: There is a valid link for FX Port.

Flashing: FX Port is transmitting or receiving data. Off: There is no valid link for FX Port.

On: There is a valid link for TP Port.

TΡ Flashing: TP Port is transmitting or receiving data. Off: There is no valid link for TP Port.

Specifications

General Specifications

| Standards | For MC220L: IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z For MC420L: IEEE 802.3, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3an, IEEE802.3z, IEEE802.3ae, IEEE802.3x |
|--------------|--|
| LED | PWR, FX Link/Act, TP Link/Act |
| Interface | For MC220L: SFP port, RJ-45 jack For MC420L: SFP+ port, RJ-45 jack |
| Twisted-Pair | For MC220L: |
| | 10Base-T: 2-pair UTP/STP of Cat. 3 or above (≤100m) |
| | 100Base-TX: 2-pair UTP/STP of Cat. 5 or above (≤100m) |
| | 1000Base-T: 4-pair UTP/STP of Cat. 5e or above (≤100m) |
| | For MC420L: |
| | 1000BASE-T/2.5GBASE-T/5GBASE-T: 4-pair UTP/STP of Cat. 5e or above (≤100m) |
| | 10GBase-T: 4-pair UTP of Cat. 6 (≤55m), 4-pair UTP of Cat. 6a (≤100m)or 4-pair |
| | STP of Cat. 6 or above (≤100m) |
| Fiber & | For MC220L: depends on the used SFP module |
| Wave Length | For MC420L: depends on the used SFP/SFP+ module |
| Power | External Power Adapter: 9V/0.6A |

Link/Act (for MC420L)

Green On: FX Port is linked at 10Gbps, but there is no activity. Green Flashing: FX Port is working at 10Gbps.

FΧ Yellow On: FX Port is linked at 1Gbps, but there is no activity. Yellow Flashing: FX Port is working at 1Gbps. Off: There is no valid link for FX Port.

> Green On: TP Port is linked at 10Gbps, but there is no activity. Green Flashing: TP Port is working at 10Gbps.

Yellow On: TP Port is linked at 5Gbps/2.5Gbps/1Gbps, but TΡ there is no activity.

Yellow Flashing: TP Port is working at 5Gbps/2.5Gbps/1Gbps. Off: There is no valid link for TP Port.

Environmental and Physical Specifications

| Operation Temperature | 0°C to 50°C (32°F to 122°F) |
|-----------------------|--------------------------------|
| Storage Temperature | -40°C to 70°C (-40°F to 158°F) |
| Operation Humidity | 10% to 90%RH non-condensing |
| Storage Humidity | 5% to 90%RH non-condensing |

Safety Information

- Keep the device away from water, fire, humidity or hot environments.
 Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
 Do not use damaged charger or USB cable to charge the device.

- Do not use daringed chargers than those recommended.
 Adapter shall be installed near the equipment and shall be easily accessible.
 Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
 Do not point or stare directly into the beam or into the optical port of the transceiver when it is operating, as this can interver expected.
- injure your eyesight. Use only power supplies which are provided by manufacturer and in the original packing of this product. If you have any questions, please don't hesitate to contact us.

FCC STATEMENT

Product Name: Omada Gigabit Ethernet Media Converter

Model Number: MC220L/MC420L

| Component Name | Model | |
|--------------------|-------------|--|
| Power Adapter | T090060-2B1 | |
| Responsible party: | | |

TP-Link USA Corporation

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Tel: +1 626 333 0234

Fax: +1 909 527 6804

E-mail: sales.usa@tp-link.com

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference.

2) This device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Product Name: Power Adapter Model Number: T090060-2B1 Responsible party: **TP-Link USA Corporation** Address: 10 Mauchly, Irvine, CA 92618

EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 2011/65/EU and (EU)2015/863. The original EU declaration of conformity may be found at https://www.tp-link.com/en/support/ce/

UK declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Electromagnetic Compatibility Regulations 2016 and Electrical Equipment (Safety) Regulations 2016. The original UK declaration of conformity may be found at https://www.tp-link.com/support/ukca/

Explanation of the symbols on the product label

Symbols may vary from products. The label is at the bottom of the product.

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|------------------|---|
| Symbol | Explanation |
| | Class II equipment |
| Ē | Class II equipment with functional earthing |
| \sim | Alternating current |
| | Direct current |
| ♦⊛♦ | Polarity of d.c. power connector |
| \bigtriangleup | For indoor use only |
| 4 | Dangerous voltage |
| <u>/</u> | Caution, risk of electric shock |
| VI | EnergyefficiencyMarking |
| | Protective earth |
| Ţ | Earth |
| , | Frame or chassis |
| Ē | Functional earthing |
| | Caution, hot surface |
| Λ | Caution |
| Ĩ | Operator's manual |
| (| Stand-by |
| \bigcirc | "ON"/"OFF" (push-push) |
| | Fuse |
| - → N | Fuse is used in neutral N |
| | RECYCLING This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment. |
| 11 | Caution, avoid listening at high volume levels for long periods |
| | Disconnection, all power plugs |
| m | Switch of mini-gap construction |
| | Switch of micro-gap construction (for US version) |
| μ | Switch of micro-gap /micro-disconnection construction (for other versions except US) |
| ε | Switch without contact gap (Semiconductor switching device) |

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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This device may not cause harmful interference.

2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

We, TP-Link USA Corporation, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2024.05.14

Industry Canada Statement

CAN ICES-3 (A)/NMB-3(A)

CE CE Mark Warning

This is a class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

