# Gigabit WDM Media Converter

**Datasheet**

MC211CS-2, MC212CS-2 (2 km)

MC211CS-20, MC212CS-20 (20 km)

## Highlights

- 1× 10/100/1000Mbps Auto-Negotiation RJ45 port supports Auto-MDI/MDIX
- Auto-negotiation of Half-Duplex/Full-Duplex transfer mode
- Adopts WDM technology, transmitting and receiving data on one single fiber
- Extends fiber distance up to 2 km/20km

## Overview

Omada gigabit Media Converters convert between electrical and optical signals, and easily extend the distance of an existing gigabit network. Long-range point-to-point connections are easily built with the gigabit fiber converters, ideal for connecting factory automation equipment, the network in another building, remote surveillance system, and more.

# Specifications

| Hardware Features & Performance | | | | | |
|---|---|---|---|---|---|
| Product Picture | |  |  |  |  |
| Model | | MC211CS-2 | MC212CS-2 | MC211CS-20 | MC212CS-20 |
| General | Standards | IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z | | | |
| | LED | PWR, Link/Act | | | |
| | Connector | 1 SC/UPC fiber optic; 1 RJ45 jack | | | |
| | Twisted-Pair | 100BASE-Tx: 2-pair UTP/STP of Cat. 5 or above (≤100 m)<br>1000BASE-Tx: 4-pair UTP/STP of Cat. 5e or above (≤100 m) | | | |
| | Fiber | 9/125 μm single-mode fiber | | | |
| | Transmission Distance | ≤2 km | ≤2 km | ≤20 km | ≤20 km |
| | Wave Length | 1550 nm Tx,<br>1310 nm Rx | 1310 nm Tx,<br>1550 nm Rx | 1550 nm Tx,<br>1310 nm Rx | 1310 nm Tx,<br>1550 nm Rx |
| | Power | External Power Adapter: 9 V/0.6 A | | | |
| | Dimensions | 94.5x73x27 mm (3.72x2.87x1.06 in) | | | |
| Physical & Environment | Operating Temperature | -5 ˚C to 50 ˚C (23 ˚F to 122 ˚F) | | | |
| | Storage Temperature | -40 ˚C to 70 ˚C (-40 ˚F to 158 ˚F) | | | |
| | Operating Humidity | 10% to 90% RH  non-condensing | | | |
| | Storage Humidity | 5% to 90% RH  non-condensing | | | |

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