CM-600 Module Series

4-port Fast Ethernet interface modules for the EDS-600 Series



Features and Benefits

- · Modular design with 4-port copper/fiber combinations
- · Hot-swappable media modules for continuous operation

Certifications



Introduction

The CM-600 Module Series has been designed for use with the EDS-600 Series. The CM-600 Series has a compact modular design with one slot that accommodates 4 ports, which support multiple media types including TX, MSC, SSC, and MST. The modular design ensures that the EDS-600 Series can meet multiple application requirements.

Specifications

Ethernet Interface

| 10/100BaseT(X) Ports (RJ45 connector) | CM-600-4TX: 4 CM-600-1TX Series: 1 CM-600-2TX Series: 2 All models support: Auto negotiation speed Full/Half duplex mode Auto MDI/MDI-X connection |
|---|--|
| 100BaseFX Ports (multi-mode SC connector) | CM-600-4MSC: 4 CM-600-3MSC/1TX: 3 CM-600-2MSC/2TX: 2 |
| 100BaseFX Ports (multi-mode ST connector) | CM-600-4MST: 4 |



CM-600-4SSC: 4 CM-600-3SSC/1TX: 3 CM-600-2SSC/2TX: 2

Optical Fiber

| | | N | Iulti-Mode | Single-Mode | |
|------------------|----------------------------|--------------|--------------|--------------|--|
| Fiber Cable Type | | 0.14 | 50/125 µm | G.652 | |
| | | OM1 | 800 MHz x km | | |
| Typical Distance | | 4 km | 5 km | 40 km | |
| Wavelength | Typical (nm) | 1300 | | 1310 | |
| | TX Range (nm) | 1260 to 1360 | | 1280 to 1340 | |
| | RX Range (nm) | 1100 to 1600 | | 1100 to 1600 | |
| Optical Power | TX Range (dBm) | -10 to -20 | | 0 to -5 | |
| | RX Range (dBm) | -3 to -32 | | -3 to -34 | |
| | Link Budget (dB) | 12 | | 29 | |
| | Dispersion Penalty (dB) | 3 | | 1 | |

Note: When connecting a single-mode fiber transceiver, we recommend using an attenuator to prevent damage caused by excessive optical power. Note: Compute the "typical distance" of a specific fiber transceiver as follows: Link budget (dB) > dispersion penalty (dB) + total link loss (dB).

Power Parameters

Power Consumption

| Power Consumption | CM-600-4TX: 0.61 W (max.) CM-600-2TX models: 1.56 W (max.) CM-600-1TX models: 2 W (max.) CM-600-4MSC/4MST/4SSC: 2.44 W (max.) |
|--|--|
| Physical Characteristics | |
| IP Rating | IP30 |
| Dimensions | 29.7 x 144.4 x 144.8 mm (1.17 x 5.69 x 5.7 in) |
| Weight | CM-600-4TX: 190 g (0.42 lb) CM-600/1TX, CM-600/2TX models: 230 g (0.51 lb) CM-600-4MSC/4MST/4SSC: 240 g (0.53 lb) |
| Environmental Limits | |
| Operating Temperature | -40 to 75°C (-40 to 167°F) |
| Storage Temperature (package included) | -40 to 85°C (-40 to 185°F) |
| Ambient Relative Humidity | 5 to 95% (non-condensing) |
| МТВЕ | |
| Time | 740,661 hrs |
| Standards | Telcordia (Bellcore), GB |
| Warranty | |
| Warranty Period | 5 years |
| Details | See www.moxa.com/warranty |



| Package Contents | |
|------------------|--------------------------|
| Device | 1 x CM-600 Series module |
| Documentation | 1 x warranty card |

Dimensions

Unit: mm (inch)



Ordering Information

| Model Name | 10/100BaseT(X) Ports (RJ45 Connector) | 100BaseFX Ports Multi-mode (SC Connector) | 100BaseFX Ports Multi-mode (ST Connector) | 100BaseFX Ports Single-mode (SC Connector) | Operating Temp. |
|-----------------|--|---|---|--|-----------------|
| CM-600-4TX | 4 | - | - | - | -40 to 75°C |
| CM-600-4MSC | - | 4 | - | - | -40 to 75°C |
| CM-600-4MST | - | - | 4 | - | -40 to 75°C |
| CM-600-4SSC | - | - | - | 4 | -40 to 75°C |
| CM-600-3MSC/1TX | 1 | 3 | - | - | -40 to 75°C |
| CM-600-3SSC/1TX | 1 | - | - | 3 | -40 to 75°C |
| CM-600-2MSC/2TX | 2 | 2 | - | - | -40 to 75°C |
| CM-600-2SSC/2TX | 2 | - | - | 2 | -40 to 75°C |

© Moxa Inc. All rights reserved. Updated Jun 23, 2021.

This document and any portion thereof may not be reproduced or used in any manner whatsoever without the express written permission of Moxa Inc. Product specifications subject to change without notice. Visit our website for the most up-to-date product information.

