

CM-600 Series

4-port Fast Ethernet interface modules for EDS-600 series Ethernet switches

Specifications

Fast Ethernet Interface Modules, CM-600 Series



CM-600-4TX
CM-600-4TX-BP
CM-600-4TX-PTP



CM-600-4MSC
CM-600-4SSC



CM-600-4MST



CM-600-3MSC/1TX
CM-600-3SSC/1TX



CM-600-3MST/1TX



CM-600-2MSC/2TX
CM-600-2SSC/2TX



CM-600-2MST/2TX

Interface

RJ45 Ports: 10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection

Fiber Ports: 100BaseFX ports (SC/ST connector)

Optical Fiber

		100BaseFX		
		Multi-Mode		Single-Mode
Fiber Cable Type		OM1	50/125 μm	G.652
			800 MHz*km	
Typical Distance		4 km	5 km	40 km
Wave-length	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 Requirements

Power Consumption:

CM-600-4TX: 0.61 W
CM-600-4TX-BP: 2.38 W
CM-600-4TX-PTP: 3.46 W
CM-600-4MSC/4MST/4SSC: 2.44 W
CM-600-3MSC/1TX, -3MST/1TX, -3SSC/1TX: 2 W
CM-600-2MSC/2TX, -2MST/2TX, -2SSC/2TX: 1.56 W

Physical Characteristics

IP Rating: IP30 protection

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-600-4TX-BP: 240 g (0.53 lb)
CM-600-4TX-PTP: 185 g (0.41 lb)
CM-600-4MSC, -4MST, -4SSC: 240 g (0.53 lb)
CM-600-3MSC/1TX, -3MST/1TX, -3SSC/1TX: 230 g (0.51 lb)
CM-600-2MSC/2TX, -2MST/2TX, -2SSC/2TX: 230 g (0.51 lb)

MTBF (mean time between failures)

Time: 740,661 hrs

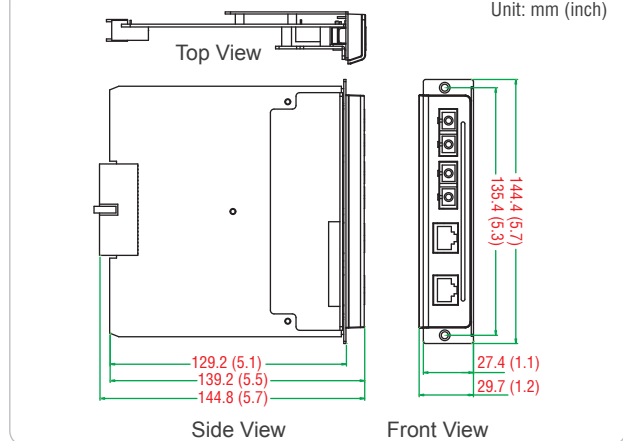
Standard: Telcordia (Bellcore), GB

Warranty

Warranty Period: 5 years

Details: See www.moxa.com/warranty

Dimensions



Ordering Information

Available Models (-40 to 75°C)	Port Interface			
	10/100BaseT(X)	100BaseFX		
		Multi-Mode, SC Connector	Multi-Mode, ST Connector	Single-Mode, SC Connector
CM-600-4TX	4	—	—	—
CM-600-4TX-BP*	4	—	—	—
CM-600-4TX-PTP*	4	—	—	—
CM-600-4MSC	—	4	—	—
CM-600-4MST	—	—	4	—
CM-600-4SSC	—	—	—	4
CM-600-3MSC/1TX	1	3	—	—
CM-600-3MST/1TX	1	—	3	—
CM-600-3SSC/1TX	1	—	—	3
CM-600-2MSC/2TX	2	2	—	—
CM-600-2MST/2TX	2	—	2	—
CM-600-2SSC/2TX	2	—	—	2

Package Checklist

- CM-600 interface module
- Warranty card

*The CM-600-4TX-BP supports the bypass relay function on each port; the CM-600-4TX-PTP supports the IEEE 1588 PTPv2 protocol on each port.