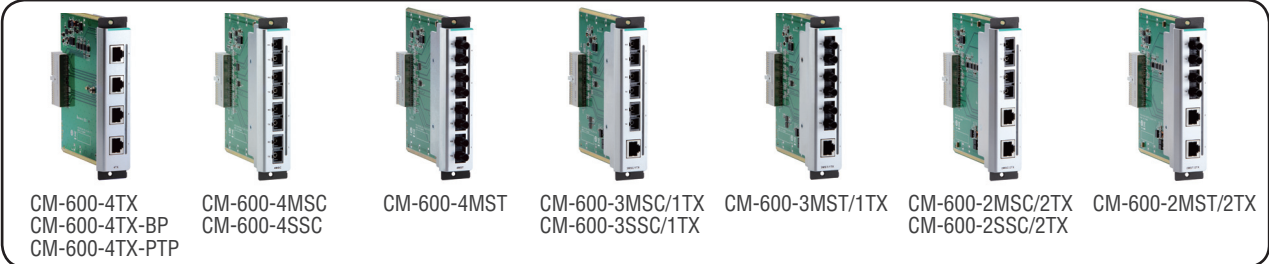


# CM-600 Series

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

### Specifications

#### Fast Ethernet Interface Modules, CM-600 Series



#### 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

Fiber Cable Type	100BaseFX		
	OM1	Multi-Mode	Single-Mode
		50/125 μm 800 MHz*km	G.652
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

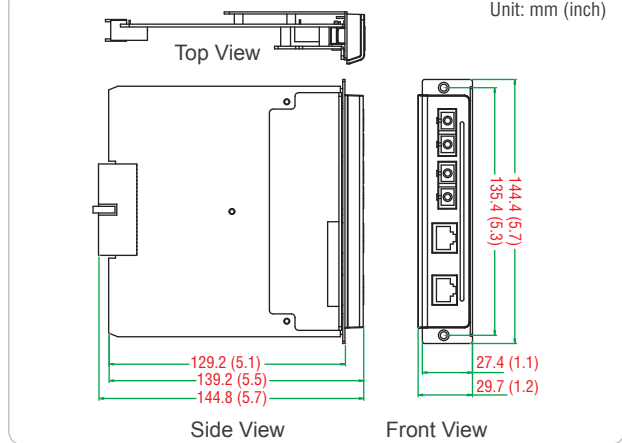
**Standard:** Telcordia (Bellcore), GB

##### Warranty

**Warranty Period:** 5 years

**Details:** See [www.moxa.com/warranty](http://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.