

Technical Specifications

Power Input/Consumption	12V DC / 3.0 W
Operating Temperature:	0 °C to 50 °C (32 °F to 122 °F)
Storage Temperature:	-25 °C to 70 °C (-13 °F to 158 °F)
Operating Humidity:	5% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing
Operating Altitude:	Up to 3,048 m (10,000 ft)
MTBF (C-1000)	588,182 hours
(C-1000-SFP)	713,711 hours (without SFP)
(CM-1000)	571,557 hours
(CM-1000-SFP)	689,380 hours (without SFP)

Fiber Optic Specifications:

Model	Mode	Wavelength (nm)	TX Power (dB)	RX Power (dB)	Budget (dB)
C-1000-M2xx05 CM-1000-M2xx05	SM	TX: 850 RX: 850	Min: -9.5 Max: -3	Min: -17 Max: -3	7.5
C-1000-M2xx2 CM-1000-M2xx2	MM	TX: 1310 RX: 1310	Min: -6 Max: 0	Min: -17 Max: -3	11
C-1000-S2xx10 CM-1000-S2xx10	SM	TX: 1310 RX: 1310	Min: -9.5 Max: -3	Min: -20 Max: -3	10.5
C-1000-S1SC10U CM-1000-S1SC10U	SM	TX: 1310 RX: 1490	Min: -9 Max: -3	Min: -20 Max: -3	11
C-1000-S1SC10D CM-1000-S1SC10D	SM	TX: 1490 RX: 1310	Min: -9 Max: -3	Min: -20 Max: -3	11
C-1000-S1SC20U CM-1000-S1SC20U	SM	TX: 1310 RX: 1490	Min: -8 Max: -3	Min: -22 Max: -3	14
C-1000-S1SC20D CM-1000-S1SC20D	SM	TX: 1490 RX: 1310	Min: -8 Max: -3	Min: -22 Max: -3	14
C-1000-S2xx40 CM-1000-S2xx40	SM	TX: 1310 RX: 1310	Min: -3 Max: 5	Min: -23 Max: -3	20
C-1000-S1SC40U CM-1000-S1SC40U	SM	TX: 1310 RX: 1490	Min: -3 Max: 2	Min: -23 Max: -3	20
C-1000-S1SC40D CM-1000-S1SC40D	SM	TX: 1490 RX: 1310	Min: -3 Max: 2	Min: -23 Max: -3	20

C-1000-S2xx70 CM-1000-S2xx70	SM	TX: 1550 RX: 1550	Min: -0 Max: 5	Min: -23 Max: -3	23
C-1000-S1SC80U CM-1000-S1SC80U	SM	TX: 1510 RX: 1590	Min: -2 Max: 3	Min: -26 Max: -3	24
C-1000-S1SC80D CM-1000-S1SC80D	SM	TX: 1590 RX: 1510	Min: -2 Max: 3	Min: -26 Max: -3	24
C-1000-S2xx120 CM-1000-S2xx120	SM	TX: 1550 RX: 1550	Min: 0 Max: 5	Min: -32 Max: -9	32
C-1000-S1SC120U CM-1000- S1SC120U	SM	TX: 1510 RX: 1590	Min: -3 Max: 2	Min: -34 Max: -9	31
C-1000-S1SC120D CM-1000- S1SC120D	SM	TX: 1590 RX: 1510	Min: -3 Max: 2	Min: -34 Max: -9	31
C-1000-S2xx160 CM-1000-S2xx160	SM	TX: 1550 RX: 1550	Min: 2 Max: 5	Min: -34 Max: -9	32

Fiber Cabling Requirements:

MM: 50/125 microns or 62.5/125 microns

SM: 9/125 microns

Ethernet Copper Cabling Requirements:

- Category 5 UTP or STP
- 24-22 AWG
- Straight through or Ethernet crossover

Note: Please refer the product page on the Perle website for the most up to date models and specifications.

<http://www.perle.com/>

Compliance Information

FCC

This product has been 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 instructions in this Guide, 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/her own expense.

EN 55022, Class A,

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.

EN 55024, Class A

Laser Safety – IEC 60825-1:2007

This product meets Class I Laser safety requirements per IEC-60825-1:2007 standard and complies with FDA/CDRH 21 CFR1040.10 and 21 CFR1040.11.

WARNING: Visible and invisible laser radiation may be present when cables are not connected. Do not stare into the beam or view the beam directly with optical instruments. Failure to observe this warning could result in an eye injury or blindness.

WARNING: Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.