

COMPAKFE2SCM2 (2 × CWFE2SCM2)

ValueLine
Performance and Value



The ComNet™ CWFE2SC(M,S)2 Ethernet media converters are designed to transmit and receive 10/100 Mbps data over multimode or single mode optical fiber. The electrical interface will Auto-Negotiate to a 10 Mbps, or 100 Mbps Ethernet rate without any adjustments. The optical interface operates at a 100 Mbps Ethernet rate. These media converters are commercial grade for light industrial use.

FEATURES

- › Commercial Grade
- › 10/100 Mbps Ethernet
 - 10/100 BASE-T/TX electrical port
 - 100 BASE-FX optical port
- › Electrical port supports Auto-Negotiation for 10 Mbps or 100 Mbps, full duplex or half duplex data.
- › Optical port supports 100 Mbps full duplex data
- › Automatic MDI/MDI-X crossover
- › Distances up to: 3 km (2 miles) Multimode
- › Transparent to data encoding/compatible with major data protocols
- › Ambient operating temperature range: 0° - 50°C

- › Voltage transient protection on all power and signal input/output lines provides protection from power surges and other voltage transient events.
- › No in-field optical adjustments required
- › LED Indicators
- › IEEE 802.3 compliant
- › 5 Year Warranty

APPLICATIONS

- › 10/100 Mbps Ethernet Media Converter
- › High Speed Computer Links

SPECIFICATIONS

Ethernet

Data Interface: Ethernet
 Data Rate: 10/100 Mbps
 IEEE 802.3 Compliant
 Full Duplex or Half Duplex Electrical Port/
 Full Duplex Optical Port

Connectors

Optical: SC, 2 Fibers
 Power: 2.1mm Center Positive Plug
 Electrical: RJ-45

Indicating LEDs

- Optical Link/Data Activity
- Electrical Link/Data Activity
- Power

Power

Operating Voltage Range 8 to 24 VDC
 Power Consumption 6W

Electrical & Mechanical

Current Protection Automatic Resettable
 Solid-State Current Limiters
 Circuit Board Meets IPC Standard
 Size 4.7 × 3.3 × 1 in (11.9 x 8.5 x 2.6cm)
 Shipping Weight <2 lbs./0.9 kg

Environmental

MTBF >100,000 hours
 Operating Temp 0° C to +50° C
 Storage Temp -40° C to +85° C
 Relative Humidity 0% to 95% (non-condensing)¹



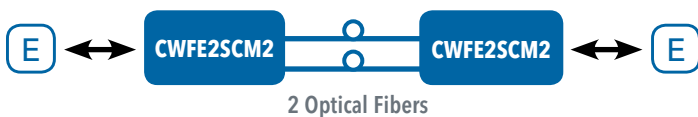
ORDERING INFORMATION

Part Number	Description	Fiber	Optical Pwr Budget	Max. Distance ²	C1 Rack Slots
COMPAKFE2SCM2	2 × CWFE2SCM2 Commercial Ethernet Media Converter	Multimode	10dB	3 km (2 mi)	Not Compatible
Accessories	2 × DC Power Supply (Included, for benign 0 to 50°C applications only.)				
Options	[1] Add suffix '/C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory)				

[2] Distance may be limited by optical dispersion. This product requires a fiber installation with a minimum 30 dB connector return loss. The use of Super Polish Connectors is recommended.

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J
 In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

TYPICAL APPLICATION



LEGEND

- CAT-5 CABLE
- OPTICAL FIBER

Low Power Consumption