

Commercial Grade 10/100 Mbps Ethernet Media Converter Kit

COMPAKFE2SCM2 (2 × CWFE2SCM2)





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: Data Rate:	Ethernet 10/100 Mbps IEEE 802.3 Compliant Full Duplex or Half Duplex Electrical Port/ Full Duplex Optical Port	Operating Voltage Power Consumptic Electrical & Mech Current Protection
Connectors		Circuit Board
Optical:	SC, 2 Fibers	Size
Power:	2.1mm Center Positive Plug	Shipping Weight
Electrical:	RJ-45	Environmental
Indicating LEDs	- Optical Link/Data Activity	MTBF
5	- Electrical Link/Data Activity	Operating Temp
	- Power	Storage Temp
		Balativa Humidity

Power

ting Voltage Range 8 to 24 VDC Consumption 6W

& Mechanical

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

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ting Temp je Temp **Relative Humidity**

>100,000 hours 0° C to +50° C -40° C to +85° C 0% to 95% (non-condensing)¹

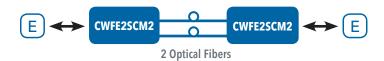


INCLUDED IN KIT

Part	Number	Description	Fiber	Optical Pwr Budget	Max. Distance ²
CWFE	2SCM2	Video Transmitter	Multimode	10dB	3 km (2 mi)
CWFE	2SCM2	Video Receiver	Multimode	10dB	3 km (2 mi)
Acces Optio		2 × DC Power Supply (included) [1] Add suffix '/C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory)			

NOTE: 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









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