

Serial RS-232 Copper to Fiber Converters



Illustrated: Serial Copper to Fiber converter family

Canary's CSC-2D9MX (multi-mode) and CSC-2D9SX (single-mode) family of value-priced, stand alone media converters are specifically designed for linking serial RS-232 devices over multi-mode and single-mode fiber cable to host computers at up to 120Kbps data rates. They provide highly reliable connections with good electromagnetic, radio frequency interference (EMI/RFI), and electrical surge immunity. They are ideal for environments employing industrial sensors and process control, remote sensing and surveillance, and other remote access applications using RS-232 connectors.

Installed success ... deployed worldwide.

CSC-2D9MX
*Serial to Standard
Multi-mode fiber*

CSC-2D9SX
*Serial to Standard
Single-mode fiber*

Features:

*Supports
asynchronous
data transfer rate
up to 120Kbps*

*Isolates senior
devices from 'noisy'
environments*

***Value-priced media
converters to link
RS-232 devices over
multi- and single-
mode fiber cable.***



Product Specifications

Standards:

- EIA/TIA-232, EIA/TIA- 574 & CCITT V.28

Connector:

- DB-9 for RS-232; ST/SC for Multi-mode fiber; SC for Single Mode fiber

Max. Distance:

- Copper: Up to 15 meters
- Fiber: 2000 meters (Multi-mode)
30km (Single Mode)

Power:

- Input Voltage: 120 VAC
- Output: 120 VDC 800mA
(External poweradapter)
- Frequency: 60 Hz

Environment:

- Operating:
Temperature: 0°C to 50°C
Relative Humidity: 10% to 80%,
non-condensing
- Storage:
Temperature: -20°C to 70°C
Relative Humidity: 5% to 90%,
non-condensing

Emissions:

- FCC Part 15 of Class A & CE approved

Dimensions:

- 4.3x 2.9x .95 inches [109.2 x 73.8 x
23.4mm] (L x W x H)

Weight:

- 0.33 Lb (0.15 Kg)

Warranty:

- Three years, parts and labor

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Serial RS-232 Copper to Fiber Converters



Illustrated: Single RS-232 Copper to Fiber Converter Unit

The page that follows provides ordering information for Canary's Serial RS-232 Copper to Fiber Converter products:

- **Serial to Standard Multi-mode fiber converters**
CSC-2D9MX
- **Serial to Standard Single-mode fiber converters**
CSC-2D9SX



Canary Communications is an
ISO 9001 : 2000 registered company.



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Serial RS-232 Copper to Fiber Converters

CSC-2D9MX – Serial to Standard Multi-mode fiber

CSC-2D9SX – Serial to Standard Single-mode fiber

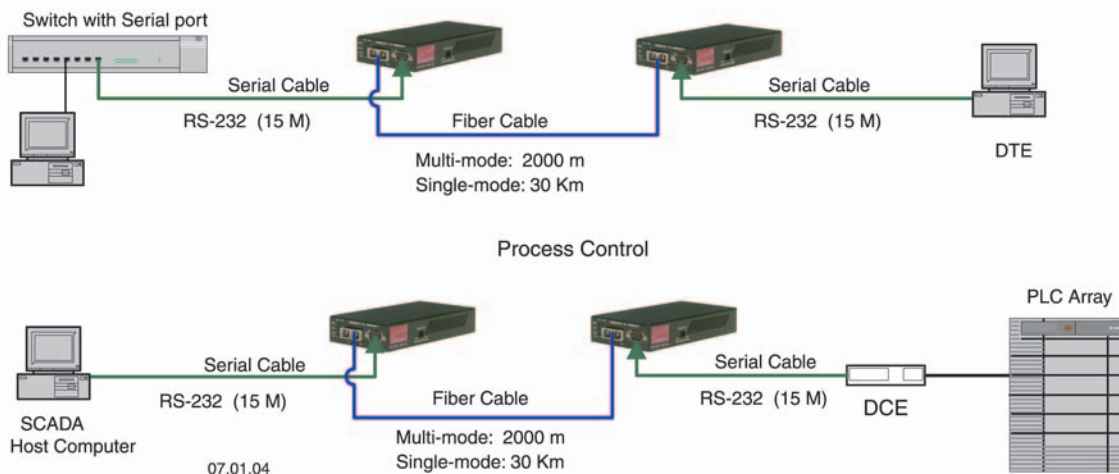
- Complies with EIA/TIA-232, EIA/TIA- 574 & CCITT V.28 standards
- Supports asynchronous data transfer rate up to 120K
- LED status indicators (power, link and receive)
- DTE, DCE setting push-button
- Allows standalone installation
- Easy "plug-and-go" operation
- SC / ST connectors standard
- FCC Class A and CE approved
- External power supply

Ordering Information

Model Numbers	Media Types	Optical Specifications								
		Min. Tx PWR	Max. Tx PWR	Rx Sensitivity	Min. PWR Budget	Max.PWR Budget	Max. Input PWR	Connector Type	Wavelengths (nm)	Transmit Distance
CSC-2D9-M1	RS / MM *	-20.0 dBm	-14.0 dBm	-31.0 dBm	11.0 dB	17.0 dB	N/A	DB-9 / SC	1310 nm	2000 m
CSC-2D9-M2	RS / MM	-20.0 dBm	-14.0 dBm	-31.0 dBm	11.0 dB	17.0 dB	N/A	DB-9 / ST	1310 nm	2000 m
<i>Specifications above in blue are for multi-mode, fiber connectors. Specifications below for single-mode, fiber connectors.</i>										
CSC-2D9-S1	RS / SM	-15.0 dBm	-8.0 dBm	-34.0 dBm	19.0 dB	26.0 dB	-7.0 dBm	DB-9 / SC	1310 nm	30 Km
CSC-2D9-S2	RS / SM	-15.0 dBm	-8.0 dBm	-34.0 dBm	19.0 dB	26.0 dB	-7.0 dBm	DB-9 / ST	1310 nm	30 Km

* Serial RS-232 interface (copper cable)

CSC-2D9MX & CSC-2D9SX
Serial-to-Ethernet Fiber Converters



Illustrated: Typical applications for the CSC-2D9 series. The actual distance will depend on several factors including the quality of cables used and the terminal equipment employed.

