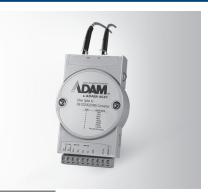
ADAM-4541 ADAM-4542+ ADAM-4561/4562

Multi-mode Fiber Optic to RS-232/422/485

Single-mode Fiber Optic to RS-232/422/485 Converter

1-port Isolated USB to RS-232/422/485 Converter







ADAM-4541



ADAM-4542+

CEFE ROHS COMPLIANT STREET

ADAM-4561/4562

CEFE ROHS COMPLANT LEVEL DE L'ELOGO LE L'ELOGO L'ELOGO





Specifications

General

 Power Input Unregulated 10 ~ 30 VDC Connectors 1 x plug-in terminal block

(#14 ~ 22 AWG) (RS-232/422/485) 2 x ST fiber connector

■ Power Consumption 0.4 W @ 24 V DC typ. 0.7 W @ 24 V DC max.

Operation Modes Support Point-to-Point, and Ring (half-duplex)

Fiber Optic Communications

 Optical Power Budget 15 dB (measured with (Attenuation) 62.5/125 µm) 2.5 km

Transmission Distance

Transmission Mode Multi mode

(Send and Receive)

Wavelength 820 nm

Serial Communications

 Communication Mode

Asynchronous

Speed Modes (bps) 1200, 2400, 4800, 9600,

19.2 k, 38.4 k, 57.6k, 115.2 k and RS-232/422 mode (switchable)

Full/half duplex, Transmission Mode bidirectional

Specifications

General

 Power Input Unregulated 12 ~ 24 VDC Connectors 1 x plug-in terminal block (#14 ~ 22 AWG)

(RS-232/422/485) 1 x SC fiber connector

■ Power Consumption 3 W @ 24 V_{DC}

 Operation Modes Support Point-to-Point, Redundant and Ring (half-duplex)

Fiber Optic Communications

Optical Power Budget 15 dB (Attenuation)

Transmission Distance

Wavelength

15 km

Transmission Mode Single mode

(Send and Receive) 1310 nm

Serial Communications

Communication Mode

Asynchronous

Speed Modes (bps)*

1200, 2400, 4800, 9600, 19.2 k, 38.4 k, 57.6 k, 115.2 k, 230.4 k, 460.8 k, 921.6 k and RS-232/422 mode (switchable)

 Transmission Modes Full/half duplex, bidirectional

* The highest speed for RS-232 mode is 115.2 kbps

Specifications

General

Connectors

Network: USB-type B connector (type A to type B cable provided)

Serial:

ADAM-4561 1 x plug-in terminal

(#14 ~ 22 AWG) (3-wire RS-232/422/485) 1 x DB-9 serial connectors (9-wire RS-232)

Isolation Voltage

ADAM-4562

ADAM-4561 $3,000 V_{DC}$ ADAM-4562: 2,500 V_{DC}

Power Consumption

ADAM-4561: 1.5 W @ 5 V ADAM-4562: 1.1 W @ 5 V

Driver Support

ADAM-4561/4562: Windows 2000/XP/ Vista/7/8 (32&64-bit)

 USB Specification Compliance ADAM-4561: USB 2.0 ADAM-4562: **USB 2.0**

Serial Communications

- Speed Modes (bps)

ADAM-4561: 600 bps to 115.2 kbps ADAM-4562: 75 bps to 115.2 kbps Transmission Modes Full/half duplex, bidirectional

Common Specifications

Environment

 Operating Humidity 5 ~ 95% RH

All product specifications are subject to change without notice.

ADAM-4541/4542+: -10 ~ 70°C (14 ~ 158°F) Operating ADAM-4561/4562: -10 ~ 70°C (14 ~ 158°F) Temperature

 Storage Temperature -25 ~ 85°C (-13 ~ 185°F)

Ordering Information

ADAM-4541

Multi-mode Fiber to RS-232/422/485

Converter

ADAM-4542+

Single-mode Fiber

to RS-232/422/485

Converter

ADAM-4561

1-port Isolated USB to RS-232/422/485

Converter

ADAM-4562

1-port Isolated USB to

RS-232 Converter

Mouser Electronics

Authorized Distributor

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