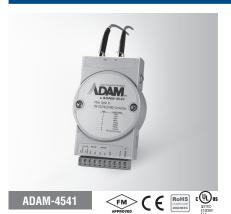
ADAM-4541 ADAM-4542+ ADAM-4561/4562

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

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

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







ADAM-4561/4562 FCC C€ ROHS COUNTRY CO



Specifications

General

 Power Input Unregulated 10 ~ 30 V_{DC} Connectors

1 x plug-in terminal block (#14 ~ 22 AWG) (RS-232/422/485) 2 x ST fiber connector

■ Power Consumption 1.5 W @ 24 V_{DC}

Serial Communications

 Communication Mode

Asynchronous

- Speed Modes (bps)

1,200, 2,400, 4,800, 9,600, 19.2 k, 38.4 k, 57.6 k. 115.2 k and RS-232/422 mode (switchable)

Full/half duplex, Transmission Mode

bidirectional

Fiber Optic Communications

Optical Power Budget 12.5 dB (measured with

62.5/125 µm) (Attenuation) Transmission 2.5 km

Distance Transmission Mode

Multi mode

(Send and Receive)

Wavelength 820 nm

Specifications

General

Power Input Unregulated 12 ~ 24 V_{DC} Connectors 1 x plug-in terminal block

(#14 ~ 22 AWG) (RS-232/422/485) 1 x SC fiber connector

3 W @ 24 V_{DC} Power Consumption **Operation Modes** Support Point-to-Point,

Redundant* and Ring (half-duplex) 1 µs

Redundant Transfer

Serial Communications

Communication Asynchronous Mode

Speed Modes (bps)* 1,200, 2,400, 4,800, 9,600, 19.2 k, 38.4 k, 57.6 k, 115.2 k, 230.4 k, 460.8 k,

921.6 k and RS-232/422/485 mode (switchable)

 Transmission Modes Full/half duplex, bidirectional

Fiber Optic Communications

Optical Power Budget 15 dB (Attenuation) 15 km

Transmission

Distance **Transmission Mode**

Single mode (Send and Receive)

Wavelength 1310 nm

Specifications

General

Connectors

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

Serial:

ADAM-4562

1 x plug-in terminal ADAM-4561

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

(9-wire RS-232)

Isolation Voltage

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

ADAM-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) 75 bps to 115.2 kbps

• Transmission Modes Full/half duplex, bidirectional

Common Specifications

Environment

 Operating Humidity 5~95% RH

 Operating ADAM-4541/4542+: -10 ~ 70°C (14 ~ 158°F) Temperature ADAM-4561/4562: 0 ~ 70°C (32 ~ 158°F)

 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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