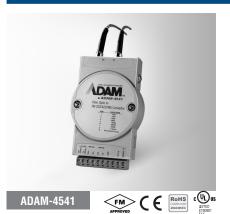
# ADAM-4541 ADAM-4542+ ADAM-4561/4562

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



**Specifications** 

Power Consumption

**Fiber Optic Communications** 

Optical Power Budget 15 dB (measured with

Operation Modes

(Attenuation)

Transmission

**Transmission Mode** 

**Serial Communications** 

Speed Modes (bps)

Transmission Mode

Communication

Distance

Wavelength

Mode

General

Power Input

Connectors





# **Specifications**

Unregulated 10 ~ 30 V<sub>DC</sub>

1 x plug-in terminal block

(#14 ~ 22 AWG)

1.5 W @ 24 V<sub>DC</sub>

62.5/125 µm)

Multi mode

Asynchronous

1200, 2400, 4800, 9600,

115.2 k and RS-232/422

19.2 k, 38.4 k, 57.6k,

mode (switchable)

Full/half duplex,

hidirectional

820 nm

(Send and Receive)

2.5 km

(RS-232/422/485)

2 x ST fiber connector

Support Point-to-Point,

and Ring (half-duplex)

#### General

 Power Input Unregulated 12 ~ 24 V<sub>DC</sub> **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<sub>DC</sub>

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

## **Fiber Optic Communications**

Optical Power Budget 15 dB (Attenuation)

**Transmission** Distance

15 km

**Transmission Mode** 

Single mode (Send and Receive)

Wavelength 1310 nm

#### **Serial Communications**

Communication **AhoM** 

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 A connector (type A to type B cable provided)

Serial

ADAM-4562

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

3,000 V<sub>DC</sub> ADAM-4561 ADAM-4562: 2,500 V<sub>DC</sub>

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

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

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

All product specifications are subject to change without notice

## **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



www.L-TronDirect.com 800-830-9523 info@L-Tron.com

