

ADAM-4541

ADAM-4542+

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

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



ADAM-4541



Specifications

General

- **Connectors** 1 x Plug-in terminal block (#14 ~ 22 AWG) (RS-422, RS-485)
2 x ST fiber connector
- **Power Consumption** 1 W (typical)
1.5 W (max.)

Serial Communications

- **Communication Mode** Asynchronous
- **Speed Modes (bps)** 1200, 2400, 4800, 9600, 19.2 k, 38.4 k, 57.6 k, 115.2 k and RS-232/422 mode (switchable)
- **Transmission Mode** Full/half duplex, bidirectional

Fiber Optic Communications

- **Optical Power Budget (attenuation)** 12.5 db (measured with 62.5/125 mm)
- **Transmission Distance** 2.5 km
- **Transmission Mode** Multi mode (Send and receive)
- **Wavelength** 820 nm

Common Specifications

General

- **Dimensions (W x H x D)** 70 x 112 x 25 mm
- **Enclosure** ABS+PC
- **Mounting** DIN 35 rail, stack, wall
- **Power Input** Unregulated 10 ~ 30 V_{DC}

Environment

- **Humidity** 5 ~ 95% RH
- **Operating Temperature** -10 ~ 70° C (14 ~ 158° F)
- **Storage Temperature** -25 ~ 85° C (-13 ~ 185° F)



ADAM-4542+



Specifications

General

- **Connectors** 1 x Plug-in terminal block (#14 ~ 22 AWG) (RS-232/422/485)
1 x SC fiber connector
- **Power Consumption** 1 W (typical)
1.5 W (max.)

Serial Communications

- **Communication Mode** Asynchronous
- **Speed Modes (bps)** 1200, 2400, 4800, 9600, 19.2 k, 38.4k, 57.6 k, 115.2 k
- **Transmission Mode** Full/half duplex, bidirectional

Fiber Optic Communications

- **Optical Power Budget (attenuation)** 15 db (measured with 62.5/125 mm)
- **Transmission Distance** 15 km
- **Transmission Mode** Single mode (Send and receive)
- **Wavelength** 1310 nm

Ordering Information

Converter

- **ADAM-4541** Multi-mode Fiber Optic to RS-232/422/485 Converter
- **ADAM-4542+** Single-mode Fiber Optic to RS-232/422/485 Converter