RS-485 I/O Modules: ADAM-4000

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

Specifications

General
- Power Input: Unregulated 10 ~ 30 VDC
- Connectors:
  - 1 x plug-in terminal block (#14 ~ 22 AWG)
  - 2 x ST fiber connectors
- Power Consumption: 1.5 W @ 24 VDC
- 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
- Transmission Distance: 2.5 km
- Transmission Mode: Multi mode
- Wavelength: 820 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 and RS-232/422/422 mode (switchable)
- Transmission Mode: Full/half duplex, bidirectional

Specifications

General
- Power Input: Unregulated 12 ~ 24 VDC
- Connectors:
  - 1 x plug-in terminal block (#14 ~ 22 AWG)
  - 1 x SC fiber connector
- Power Consumption: 3 W @ 24 VDC
- Operation Modes: Support Point-to-Point, Redundant and Ring (half-duplex)

Fiber Optic Communications
- Optical Power Budget: 15 dB (measured with attenuation)
- Transmission Distance: 15 km
- Transmission Mode: Single mode
- Wavelength: 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-232/422/422 mode (switchable)
- Transmission Modes: Full/half duplex, bidirectional

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

Common Specifications

Environment
- Operating Humidity: 5 ~ 95% RH
- Operating Temperature: ADAM-4541/4542: -10 ~ 70°C (14 ~ 158°F)
  - ADAM-4561/4562: -10 ~ 70°C (14 ~ 158°F)
- Storage Temperature: -25 ~ 85°C (-13 ~ 185°F)

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