

ADAM-4572

ADAM-4561/4562

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



RoHS
Compliant
2002/95/EC

CE FCC



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UL
Listed
E18881
ULC

Specifications

Ethernet Communications

- Compatibility IEEE 802.3, IEEE 802.3u
- Speed 10/100 Mbps
- Port Connector 8-pin RJ45

Serial Communications

- Port Type RS-232/422/485
- No. of Ports 1
- Port Connector Plug-in terminal block
- Data Bits 7, 8
- Stop Bits 1, 2
- Parity None, Odd, Even, Mark, Space
- Baud Rate 50 bps ~ 921.6 kbps
- Data Signals RS-232: TxD, RxD, GND
RS-422: TxD+, TxD-, RxD+, RxD-, GND
RS-485: Data+, Data-, GND

Software

- OS Support Windows 2000/XP/Vista (x86)
- Utility Software Advantech Serial Device Server Configuration Utility
- Operation Mode Modbus/RTU master/slave mode, Modbus/ASCII master/slave mode

Mechanics

- Dimensions (H x W x D) 70 x 130 x 30 mm
- Enclosure ABS+PC with solid mounting hardware
- Mounting DIN-rail, stack, wall

General

- Certifications CE, FCC Part 15 Subpart B (Class A)
- LED Indicators System: Power, System Status
LAN: Speed, Link/Active
Serial: Tx, Rx

Power Requirement

- Power Input 10 ~ 30 V_{DC}
- Power Consumption 1.5 W

Environment

- Operating Temperature 0 ~ 60° C (32 ~ 140° F)
- Storing Temperature -20 ~ 80° C (-4 ~ 176° F)
- Operating Humidity 5 ~ 95% RH

Ordering Information

- ADAM-4572 1-port Modbus Gateway

Specifications

General

- Certifications CE, FCC Part 15 Subpart B (Class A)
- Connectors USB: USB Type B (Type A to Type B cable provided)
Serial: Plug-in terminal (ADAM-4561) or DB9 male (ADAM-4562)
- Enclosure ABS+PC
- Mounting DIN-rail, stack, wall
- Power Consumption ADAM-4561: 270 mA @ 5 V (Typical)
300 mA @ 5 V (Max.)
ADAM-4562: 155 mA @ 5 V (Typical)
220 mA @ 5 V (Max.)

Communications

- Data Bits 5, 6, 7, 8
- Error Detection Parity error, frame error, serial break (ADAM-4562)
- Max. Distance 15 ft (4.6 m)
- Parity Bits ADAM-4561: None, Odd, Even
ADAM-4562: None, Odd, Even, Mark, Space
- RS-232 Signals ADAM-4561: 3-wire (Tx, Rx, GND)
ADAM-4562: 9-wire
- Stop Bits 1, 1.5, 2
- Transmission Speed ADAM-4561: 50 bps to 115.2 kbps
ADAM-4562: 75 bps to 115.2 kbps

Protection

- Isolation Protection ADAM-4561: 3,000 V_{DC} (RS-232/422/485)
ADAM-4562: 2,500 V_{DC}
- Surge Protection 3,000 V_{DC} (RS-485)

Software

- Driver Support Windows 2000/ME/XP
- Operating Temperature 0 ~ 70° C (32 ~ 158° F)
- Storage Temperature -25 ~ 85° C (-13 ~ 185° F)
- Operating Humidity 20 ~ 95% RH

Ordering Information

- ADAM-4561 1-port Isolated USB to RS-232/422/485 Converter
- ADAM-4562 1-port Isolated USB to RS-232 Converter