ADAM-4572
ADAM-4561/4562

1-port Modbus Gateway

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





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