

Aport-212 Modbus Gateway



- ▶ Gateway of Modbus TCP to Modbus RTU/ASCII
- ▶ Two Configurable RS-232/485 serial ports
- ▶ Supports up to 16 Modbus TCP masters or 32 Modbus TCP slaves
- ▶ Supports transparent serial to Ethernet conversion
- ▶ One 10/100 Mbps Ethernet port
- ▶ Supports Telnet, Web and serial console configuration
- ▶ Support Command Line Interface configuration
- ▶ Windows configuration utility included
- ▶ Firmware upgradeable by Ethernet/Internet



Overview

Aport-212 Modbus gateway provides two-way Modbus TCP to Modbus RTU/ASCII communication conversion. Easy to use Windows configuration utility provides flexible Modbus device address mapping and protocol testing. Transparent serial to Ethernet conversion is also available as default to maximize the flexibility of system configuration. Open command line interface allows users easily integrate Aport-212 into their application program.

Hardware Specifications

CPU/Memory

CPU: 32-bit ARM SoC

Network Interface

Type: 10/100Mbps Ethernet, RJ-45 connector
Protection: 1.5KV magnetic isolation

Serial Ports

Port 1: RS-232/422/485
Port 2: RS-232/485

Serial Port Parameters

Baud Rate: 1200 to 921600 bps
Data Bits: 5 to 8
Stop Bit: 1 to 2
Flow Control: None/Hardware/Xon_Xoff
Protection: 15KV ESD

Serial Console Port

RS-232: 115200 baud rate, No flow control, 8 bits data, 1 stop bit

Operation Mode

Modbus Gateway:
Slave RTU
Slave ASCII
Master RTU
Master ASCII
S2E Gateway:
TCP server
TCP client

General

Power Input: 9-40 VDC power jack and terminal block
Dimensions: 108 x 78 x 25mm (HxWxD)
Operating Temperature: 0 to 60°C
Storage Temperature: -20 to 85°C

Ordering Information

Aport-212	Modbus Gateway with 2 serial ports, and 1 Ethernet port
-----------	---

Block Diagram

