

Atlas XBB-RTL

Multifunctional processing computer

Atlas XBB-RTL presents gateway process computer comprising data concentrator and protocol converter functions for the purpose of connecting different DCS segments as well as real-time data processing using PLC algorithms created according to IEC 61131-3 standard.

Reliable data acquisition from various devices using different communication directions and protocols. Collected and processed data can be visualised locally (HMI touchscreen) and/or sent to supervising SCADA server.

Technical characteristics

- Processor AM3358 1GHz ARM Cortex-A8
- 4GB 8-bit eMMC on-board flash storage
- Simultaneous communication with 4 master SCADA centres
- 2 x RS-232/485 port (isolated)
- 1 x RS-232 & 1x CAN (isolated)
- 1x RS232 (isolated)
- Ethernet port 10/100Mbps
- Supported protocols:
 - IEC 60870-5-101 Master/Slave
 - IEC 60870-5-102 Master
 - IEC 60870-5-103 Master
 - IEC 60870-5-104 Client/Server
 - MODBUS RTU i TCP Master/Slave
 - MODBUS TCP Client/Server
 - SPA Master
 - IEC 61850 Client/Server
 - DNP3 Master
 - Hart Master
 - Profibus Master
 - BACNET Master
 - GOOSE
 - NEO Master
 - FINS Master
 - DLMS
- Distribution of exact time using GPS receiver
- Creating PLC algorithm using Function Block Diagram environment
- Power supply: 10..32 VDC
- Power consumption: 2.5W
- Dimensions – 120 mm x 55 mm x 95 mm

