

piko Atlas®-RTL CPU

Processor module for RTU/PLC device piko Atlas®-RTL

piko Atlas®-RTL represents processor module for RTU/PLC device piko Atlas® (or pAtlas).

Data concentrator and protocol converter functions for the purpose of connecting different DCS segments, as well as real-time processing of data collected from I/O modules and different slave devices using PLC algorithms created according to IEC 61131-3 standard. Reliable data acquisition from various devices is achieved using different communication directions and protocols. Collected and processed data can be visualised locally (HMI touchscreen) and/or sent to supervising DCS server.

Technical characteristics

- Processor AM3358 1GHz ARM Cortex-A8
- 4GB 8-bit eMMC on-board flash storage
- microSD card (up to 16GB)
- Simultaneous communication with 4 master centres
- 2 x RS-232/485 port (isolated)
- 2 x RS-232 (isolated)
- 1 x CAN (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 and TCP Master/Slave
 - MODBUS TCP Client/Server
 - SPA Master
 - IEC 61850 Client/Server
 - DNP3 Master/Slave
 - 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: 10.32VDC
- Power consumption: 5W
- Dimensions – 116 mm x 46 mm x 100 mm



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