

## Atlas Max XP2

### Multifunctional Processing Computer

#### List of functions

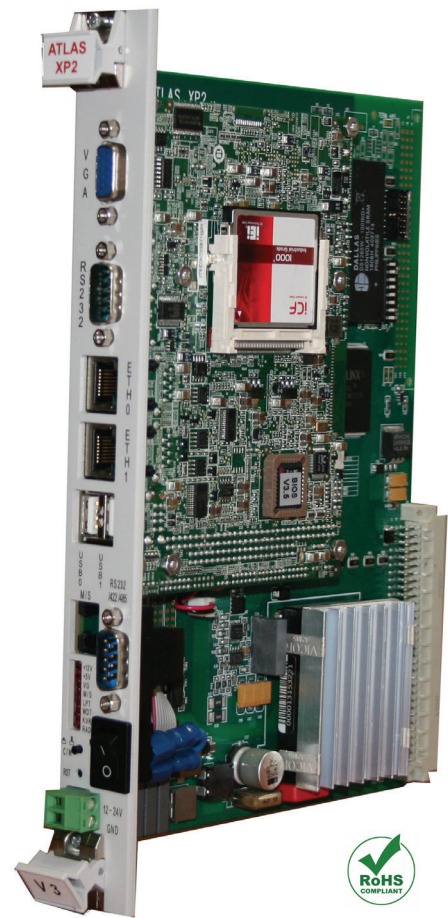
- Processor (CPU) module for Atlas Max-RTL<sup>®</sup> devices based on industrial computer WAFER LX 800.
- Communication with I/O modules mounted in standard 19" rack
- Ability to work in single or dual master / slave configuration
- Module provides for power supply 5VDC, 10A for I/O modules mounted in 19" rack
- Operation self-diagnostics
- LED indication of: power supply 12VDC, power supply 5VDC on rack backplane bus, power OK, master/slave indication, WDT, malfunction, operation

#### Design

Atlas XP2 Module is designed as dual PCB Eurocard 233.4x160 mm, with front mask dimensions 262x30mm for mounting in standard 19" racks.

#### Technical characteristics

- Processor AMD Geode LX 800 (500MHz)
- Chipset AMD Geode LX800 + AMD CS5536
- System memory – 200-pin 400/333MHz DDR SDRAM
- SO-DIMM up to 1GB
- Ethernet – 2 x 10/100Mbps
- 2 x RS-232, 1 x RS-422/485, 2 x USB 2.0, 1 x VGA
- SSD - Compact Flash Type II Memory with battery support
- 1MB SRAM with an ability to save data in the absence of power supply up to 10 years (\* except for the ATP XP2-24 model)
- Watchdog Timer
- Operating temperature - 0 - 60°C
- Power supply 12-24VDC
- Power consumption - 12W



#### Supported protocols:

- |                    |                               |
|--------------------|-------------------------------|
| • IEC 60870-5-101  | Master and Slave              |
| • IEC 60870-5-102  | Master                        |
| • IEC 60870-5-103  | Master                        |
| • IEC 60870-5-104  | Client and Server             |
| • IEC 61850        | Client and Server - edition 2 |
| • MODBUS RTU       | Master and Slave              |
| • MODBUS TCP       | Client and Server             |
| • SPA              | Master                        |
| • ASEA/SINDAC 9000 |                               |
| • RC1              |                               |
| • ANSI C12.21      |                               |
| • GOOSE            |                               |
| • BACNET           | Master                        |
| • ProfiBUS         | Master                        |
| • DNP3             | Master                        |
| • NEO 2000         | Master                        |
| • FINS             | Master                        |
| • DLMS             |                               |
| • PTA-ATP Net      | Master i Slave                |