

Atlas Max G-2n3s

Multifunctional gateway process computer

The multifunctional Atlas Max Gateway process computer provides electric and industrial facilities surveillance and control, with the option of data acquisition and control over subordinate (slave) devices, which in turn provides complete surveillance over security and other parts of facilities, along with full support to the superior SCADA system.

Atlas Max Gateway is based on Real Time Linux (RTL) platform that provides full support while a number of slave devices operate, whereas SSH services provide portability and connectivity to more advanced hardware platforms.

Full support to PLC algorithms is made possible via FBD and ST editors, as well as PLC debugger.

Communication protocols

Communication with more than one subordinate stations via the same port is possible by: serial port (with and without modem), radio and wireless connection, via TCP/IP and UDP network protocol, or by fiber optics. Various routes can be connected to different communication protocols with maximum flexibility.

Supported protocols:

- IEC 60870-5-101 Master and Slave
- IEC 60870-5-103 Master
- IEC 60870-5-104 Client and Server
- IEC 61850 Client and Server
- MODBUS RTU Master and Slave
- MODBUS TCP Client and Server
- SPA Master
- HART Master
- ProfiBUS Master
- DNP3 Master
- BACNET Master
- NEO Master
- FINS Master
- PTA-ATP Net Master and Slave

Design

Dimensions LxWxH = (158 x 132 x 82) mm



Implementation

- Video surveillance,
- Access control,
- Fire alarms,
- Traffic control,
- Electroindustry or any other industry control:
 - Microprocessor protection integration,
 - IED device integration,
 - RTU integration,
 - Connection to different SCADA systems.

Standard hardware platform:

- Power supply: 7-30 VDC,
- Power consumption: 30 W,
- Processor AMD Geode LX800 500MHz,
- Type II Compact Flash 1GB memory (instead of hard disc),
- SDRAM memory 1GB,
- Battery supported memory – 1MB SRAM memory with the option of saving data in power off mode,
- 2 Ethernet network interface controller 10/100Mbps,
- 2 standard RS232 serial outputs,
- RS422/485 serial port,
- 2 USB ports,
- Video output (VGA),
- WEB support.