

## Atlas Max G-1n8s Multifunctional gateway process computer

Atlas Max G-1n8s Gateway is multifunctional process computer acting as data concentrator and protocol convertor. Apart from concentration and data conversion, real time data processing is enabled via PLC algorithms by using FBD and ST editors, as well as PLC debuggers.

Atlas Max Gateway enables data acquisition from different devices via different communication paths and protocols. All acquired and processed data can be visually presented locally (on HMI touchscreens) and simultaneously forwarded to the superior remote SCADA system.

### Communication protocols

Communication with more than one subordinate stations via the same port is possible by: serial port (with and without modem) or by ethernet port (using UDP and TCP/IP network protocols), and over compatible media converters over: wireless and radio connections, fiber optic etc. Various routes can be connected to different communication protocols with maximum flexibility.

#### 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
• 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 and Slave



### Implementation

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

#### Standard hardware platform:

- Intel ULV Celeron 400/650MHz,
- Type II Compact Flash memory 1 GB (instead of hard disc),
- 8 Serial ports 5xRS232, 3xRS232/422/485,
- 1 Ethernet network interface controller 100 Mbps,
- 3 digital inputs and 3 digital outputs,
- 3 USB ports,
- WEB support.

