

LogarTech Ltd.

LT-207

TCP/IP COMMUNICATION MODULE

LT-207 is a field communication adaptor. It acts as a communication gateway between field instruments with manufacturer specific communication protocol and SCADA / DAQ (data acquisition) systems. The LT-207 receives the measured values via its field serial interface and makes them available through Modbus-TCP protocol.

Either RS-232 or RS-485 interface is available for connection to the field serial instruments. It has a standard RJ-45 connector for 10/100 Mb/s ethernet connection. The power supply can also be fed in through this connector (IEEE 802.3 power over ethernet).

Power supply connector: the device can also be operated with nominal 24V DC.

Configuration connector: LT-207 has a microUSB connector inside. All the parameterization is done using this connector.

MicroSD card slot: there is a microSD card slot inside. The measured values can be saved there.

The LT-207 can act as a master or a listen-only device on its field serial side.

- In master operational mode, the previously set up queries are sent to the field instruments and the received data is saved to the RAM.

- In listen-only mode, the device just monitors the serial line. In case the received message suits any of its requests, then the received data is saved to the RAM.

On the ethernet side the device is functioning as a Modbus-TCP server, which serves data from its RAM to its connected clients. The listen-only mode is suitable for parallel operation with the existing SCADA/DAQ system without disturbing it.

Supported manufacturer specific serial protocols: BEL/ETX, F2C, iCAM

Changes in the LT-207 parameters can only be made through its configuration connector. The parameters are saved in the device internal, non-volatile memory. Only the FC3 (read holding registers) modbus function code request gives valid response. No register/coil write is allowed.



Technical Parameters:

- Area of operation: Indoor
- Ambient temperature: 0°C - 50°C
- Size: 155 x 80 x 45 [mm]
- RS232 or RS-485 interface