
General Information about the TSX ETG Module

Presentation

The TSX ETG 1000 module includes the following features:

- 24V DC power supply
- Ethernet 10/100 Base-T connection
- RS485 serial link for Modbus communication
- Modbus RTU master
- RS232 serial link for communication with an external modem or for configuration
- 3 LED indicators
- 8 MB of non-volatile Flash memory for backup of embedded software and website data

Note: The RS485 serial link is not isolated.

Module Services

The following services are available:

- configuration via web pages, Ethernet or RS232 serial link,
 - IP module setup either by configuration or automatically:
 - BOOTP client,
 - DHCP client: automatic reconfiguration on replacement of module (FDR function),
 - secure access to default server without configuration, comprising:
 - module configuration pages,
 - diagnostic services,
 - SNMP V1 service management with MIB-II agent and private Ethernet Transparent Factory MIB,
 - Modbus messaging on TCP/IP with a maximum of 64 simultaneous connections,
 - diagnostics via LED indicators,
 - mail management initiated by Modbus register value on Modbus devices,
 - up to 16 Internet browsers can be connected simultaneously,
 - 8 MB of additional Flash memory reserved for the user application: the user can add custom pages or applets to the initial website,
 - FTP server for loading client pages.
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Summary of the Module Functions

At a Glance

Various functions are available.

TSX ETG 1000 module

The table below summarizes the functions of the TSX ETG 1000:

Function	Details
Messaging via Port 502 (Modbus on TCP/IP)	● A maximum of 64 simultaneous connections (Client + Server) ● Access control via configuration table
Bootp client service	-
DHCP (FDR) client service	-
SNMP service	● SNMP with MIB-II agent and Ethernet Transparent Factory MIB
RS232 link for external modem	● 4800, 9600, 19200, 38400 and 57400 baud
Modbus link	● Configurable speed (1200, 2400, 4800, 9600, 19200, 38400, 57400 and 115200 baud), parity, stop bit, time-out
Email	● Up to 8 alarms scanned
Website	● Simultaneous connection of up to 16 Internet browsers ● Non-modifiable website, factory-installed, with configuration and diagnostics pages ● 8 MB reserved for custom website
