

TSXETZ510

Ethernet module - 10/100 Mbps, 56 kbps -
Transparent Ready - 24 V DC supply



Main

Range of product	FactoryCast Gateway
Product or component type	Ethernet module
Kit composition	Gateway module User manual Web Designer software (CD-ROM)
Concept	Transparent Ready
Type of modem	Via radio Via satellite Via telephone line
Structure type	Heterogeneous industrial bus Ethernet IEEE 802.3
Topology	Tree-structure Ethernet Star Ethernet
Transmission rate	56 kbit/s maximum serial link by modem 10/100 Mbit/s Ethernet
Web services	Access function to the PLC data and variables Data Editor Communication diagnostics function Graphic objects editor IP configuration for TSX ETZ 410/510 module via standard browser Maximum simultaneous connection of 8 standard browsers PLC diagnostics system function RackViewer Web pages defined by the user (8 MB available)
Communication service	Client/Server mode Uni-Telway Client/Server mode Modbus 128 byte synchronous requests Modbus 128 byte client/server requests Uni-Telway 1 kB client/server requests Uni-Telway
[Us] rated supply voltage	24 V DC

Complementary

Communication port protocol	Ethernet Serial link by modem
Physical interface	RTC link RS232 serial link by modem
Exchange mode	Manchester-type baseband Ethernet Half or full duplex serial link by modem
Transmission support medium	Shielded RS232 cable serial link by modem Ethernet cable category 5 100BASE-T Ethernet Double shielded twisted pair of type STP 10BASE-T Ethernet
Number of devices	2 point to point serial link by modem <= 64 star Ethernet
Cable length	100 m between terminal device and hubs Ethernet
Ethernet service	Adjustment, debugging and modifications to the program Diagnostics module Download of Uni-Telway PL7 applications Inter-PLC communication in Uni-Telway or Modbus TCP/IP Remote terminal Scanned inputs/outputs service performed
Supply voltage limits	19.2...30 V DC
Maximum overvoltage on input	34 V
Power dissipation in W	2.4...4 W

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Electrical connection	Screw terminal block for connecting to the external power supply 1 connector SUB-D 9 for RS232 serial link (Modem) 1 connector RJ45 for Uni-Telway auxiliary port RS485 serial link 1 connector RJ45 1 connector mini DIN for terminal port (TER address)
Local signalling	1 LED RX/TX 1 LED ERR 1 LED RUN
Current consumption	50...200 mA 24 V DC 100 mA 24 V DC
Mounting support	Mounting plate
Width	39.83 mm
Height	151.5 mm
Depth	116.7 mm
Product weight	0.28 kg

Environment

Immunity to microbreaks	1 ms
Standards	ANSI/IEEE Std 802.3 (4th edition 1993-07-08) EN/IEC 50082-1 IEC 1000-4-12 IEC 1000-4-2 level 3 IEC 1000-4-3 level 3 IEC 1000-4-4 level 3 IEC 1000-4-5 IEC 61131-2 IEC 68-2-27, EA tests IEC 68-2-6, FC test ISO/IEC 8802-3 UL 508 CSA C22.2
Product certifications	BV DNV GL GOST LR RINA RRS
Marking	CE
Ambient air temperature for operation	0...60 °C IEC 61131-2
Ambient air temperature for storage	-25...70 °C IEC 61131-2
Relative humidity	5...95 % without condensation for storage IEC 61131-2 10...95 % without condensation for operation
Operating altitude	2000 m

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will be Compliant on 4Q2013