Product data sheet
Characteristics

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

Complementary

Communication port protocol	Serial link by modem Ethernet
Physical interface	RTC link RS232 serial link by modem
Exchange mode	Half or full duplex serial link by modem Manchester-type baseband Ethernet
Transmission support medium	Double shielded twisted pair of type STP 10BASE-T Ethernet Ethernet cable category 5 100BASE-T Ethernet Shielded RS232 cable serial link by modem
Maximum number of connected devices	Ethernet <64 star Serial link by modem <2 star
Maximum cable distance between devices	328.08 ft (100 m) between terminal device and hubs Ethernet
Ethernet service	Remote terminal Download of Uni-Telway PL7 applications Inter-PLC communication in Uni-Telway or Modbus TCP/IP Diagnostics module Adjustment, debugging and modifications to the program Scanned inputs/outputs service performed
Supply voltage limits	19.2…30 V DC
Input overvoltage protection	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.
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Electrical connection	1 connector mini DIN for terminal port (TER address) 1 connector RJ45 for Uni-Telway auxiliary port RS485 serial link 1 connector SUB-D 9 for RS232 serial link (Modem) 1 connector RJ45 Screw terminal block for connecting to the external power supply
Local signalling	RUN 1 LED ERR 1 LED RX/TX 1 LED
Current consumption	100 mA 24 V DC 50...200 mA 24 V DC
Mounting support	Mounting plate
Maximum Width	1.57 in (39.83 mm)
Maximum Height	5.96 in (151.5 mm)
Maximum Depth	4.59 in (116.7 mm)
Net Weight	0.62 lb(US) (0.28 kg)

Environment

Immunity to microbreaks	1 ms
Standards	IEC 61131-2 IEC 1000-4-4 level 3 ANSI/IEEE Std 802.3 (4th edition 1993-07-08) IEC 68-2-27, EA tests IEC 1000-4-2 level 3 UL 508 IEC 1000-4-5 EN/IEC 50082-1 ISO/IEC 8802-3 CSA C22.2 IEC 1000-4-12 IEC 68-2-6, FC test IEC 1000-4-3 level 3
Product certifications	RINA GL BV DNV LR GOST RRS
Marking	CE
Ambient air temperature for operation	32…140 °F (0…60 °C) IEC 61131-2
Ambient air temperature for storage	-13…158 °F (-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	6561.68 ft (2000 m)

Ordering and shipping details

Category	22556 - TSX MICRO, PL7 MICRO & ACCESS
Discount Schedule	PC14
GTIN	00785901621904
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21 lb(US) (1.00 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.17 in (5.5 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	10.24 in (26 cm)

Offer Sustainability

EU RoHS Directive	Not applicable, out of EU RoHS legal scope
China RoHS Regulation	China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months