# Product data sheet

Specifications

## EtherNet module, FactoryCast Gateway, serial link by modem, 2.4 to 4W, 50 to 200mA at 24VDC

TSXETZ410

⚠ **Discontinued on:** Dec 2, 2020

⚠ Discontinued - Service only

⚠ **To be end-of-service on:** Dec 31, 2027

**Product availability: Non-Stock - Not normally stocked in distribution facility**

## Main

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|---|---|
| **Range Of Product** | FactoryCast Gateway |
| **Product Or Component Type** | Ethernet module |
| **Kit Composition** | Gateway module<br>User manual<br>Web Designer software (CD-ROM) |
| **Concept** | Transparent Ready |
| **Type Of Modem** | Via satellite<br>Via radio<br>Via telephone line |
| **Structure Type** | Heterogeneous industrial bus Ethernet IEEE 802.3 |
| **Topology** | Star Ethernet<br>Tree-structure Ethernet |
| **Transmission Rate** | 10/100 Mbit/s Ethernet<br>56 kbit/s maximum serial link by modem |
| **Web Services** | Web pages defined by the user (8 MB available)<br>Access function to the PLC data and variables Data Editor<br>Communication diagnostics function<br>Graphic objects editor<br>PLC diagnostics system function RackViewer<br>Maximum simultaneous connection of 8 standard browsers<br>IP configuration for TSX ETZ 410/510 module via standard browser |
| **Communication Service** | 1 kB client/server requests Uni-Telway<br>128 byte client/server requests Uni-Telway<br>128 byte synchronous requests Modbus<br>Client/server mode Modbus<br>Client/server mode Uni-Telway |
| **[Us] Rated Supply Voltage** | 24 V DC |

## Complementary

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|---|---|
| **Communication Port Protocol** | Serial link by modem<br>Ethernet |
| **Physical Interface** | RTC link RS232 serial link by modem |
| **Exchange Mode** | Half or full duplex serial link by modem<br>Manchester-type baseband Ethernet |
| **Transmission Support Medium** | Double shielded twisted pair of type STP 10BASE-T ETHERNET<br>Ethernet cable category 5 100BASE-T ETHERNET<br>Shielded RS232 cable serial link by modem |
| **Maximum Number Of Connected Devices** | Ethernet <64 star<br>Serial link by modem <2 star |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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| **Maximum Cable Distance Between Devices** | 328.08 ft (100 m) between terminal device and hubs ETHERNET |
| **Ethernet Service** | Inter-PLC communication in Uni-Telway or Modbus TCP/IP<br>Diagnostics module<br>Download of Uni-Telway PL7 applications<br>Remote terminal<br>Scanned inputs/outputs service performed<br>Adjustment, debugging and modifications to the program |
| **Supply Voltage Limits** | 19.2…30 V DC |
| **Input Overvoltage Protection** | 34 V |
| **Power Dissipation In W** | 2.4…4 W |
| **Electrical Connection** | 1 connector mini DIN for terminal port (TER address)<br>1 connector RJ45 for Uni-Telway auxiliary port RS485 serial link<br>1 connector SUB-D 9 for RS232 serial link (Modem)<br>1 connector RJ45<br>Screw terminal block for connecting to the external power supply |
| **Local Signalling** | for RUN 1 LED<br>for ERR 1 LED<br>for RX/TX 1 LED |
| **Current Consumption** | 100 mA 24 V DC<br>50...200 mA 24 V DC |
| **Mounting Support** | Mounting plate |
| **Width** | 1.57 in (39.83 mm) |
| **Height** | 5.96 in (151.5 mm) |
| **Depth** | 4.59 in (116.7 mm) |
| **Net Weight** | 0.62 lb(US) (0.28 kg) |

# Environment

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| **Immunity To Microbreaks** | 1 ms |
| **Standards** | UL 508<br>IEC 1000-4-2 level 3<br>IEC 1000-4-3 level 3<br>IEC 1000-4-4 level 3<br>IEC 1000-4-5<br>ANSI/IEEE Std 802.3 (4th edition 1993-07-08)<br>ISO/IEC 8802-3<br>IEC 61131-2<br>CSA C22.2<br>IEC 68-2-27, EA tests<br>EN/IEC 50082-1<br>IEC 1000-4-12<br>IEC 68-2-6, FC test |
| **Product Certifications** | RINA<br>GOST<br>DNV<br>LR<br>RRS<br>BV<br>GL |
| **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<br>10…95 % without condensation for operation |
| **Operating Altitude** | 6561.68 ft (2000 m) |

# Ordering and shipping details

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| **Category** | US1PC1422556 |
| **Discount Schedule** | PC14 |
| **Gtin** | 3595862042802 |
| **Returnability** | No |
| **Country Of Origin** | FR |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 2.17 in (5.5 cm) |
| **Package 1 Width** | 7.09 in (18.0 cm) |
| **Package 1 Length** | 10.24 in (26.0 cm) |
| **Package 1 Weight** | 23.17 oz (657.0 g) |
| **Unit Type Of Package 2** | S04 |
| **Number Of Units In Package 2** | 12 |
| **Package 2 Height** | 11.81 in (30.0 cm) |
| **Package 2 Width** | 15.75 in (40.0 cm) |
| **Package 2 Length** | 23.62 in (60.0 cm) |
| **Package 2 Weight** | 19.86 lb(US) (9.009 kg) |

## Contractual warranty

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| **Warranty** | 18 months |

# Sustainability

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| **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. |