



Technotrade
Forecourt automation

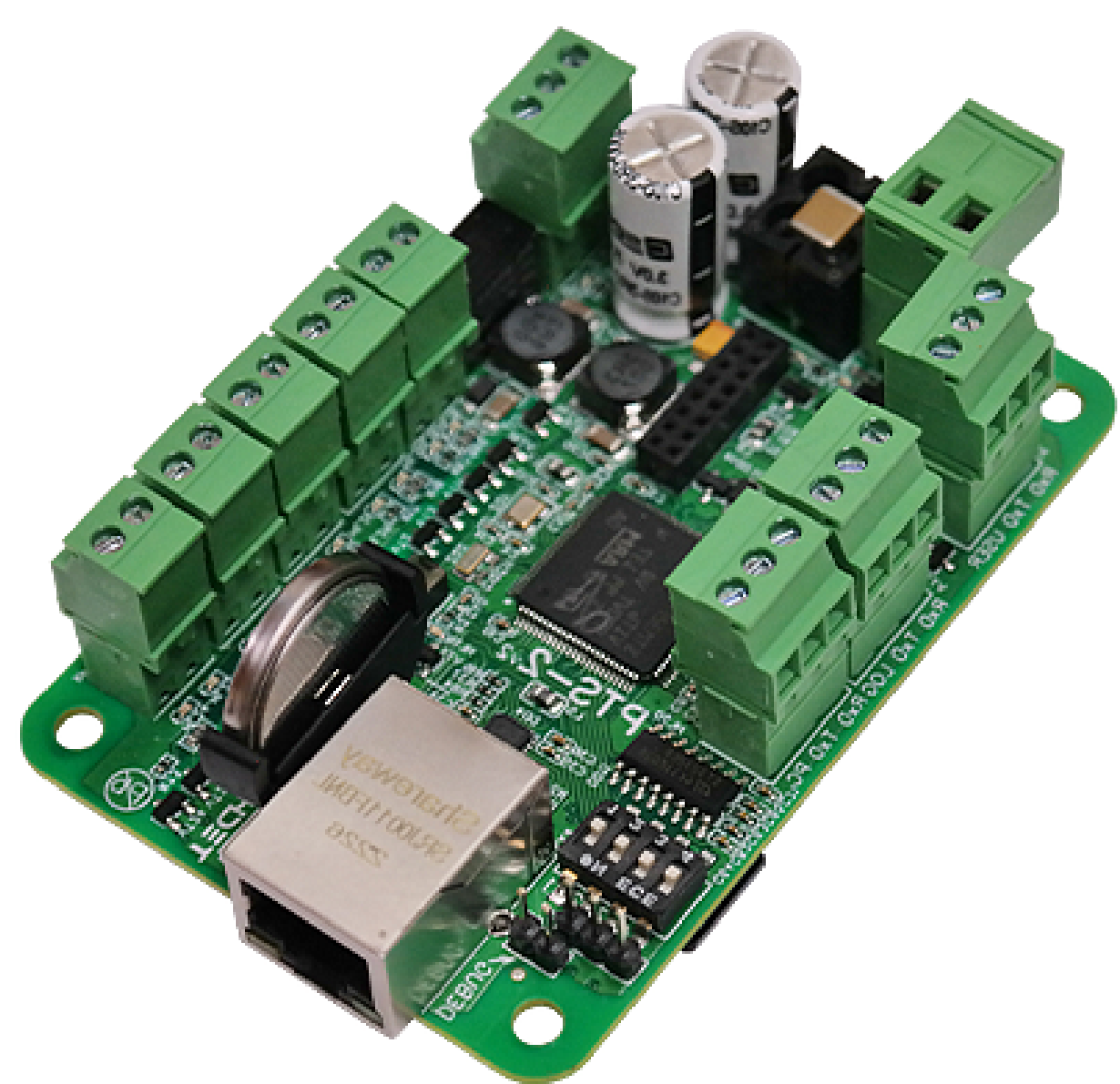


CNG Dispenser

CZC-TS1222

Built for fuel,
engineered for safety.

Fast Fueling.
Flexible Configuration.
Maximum Throughput.



Smart automation system (optional):

- PTS-2 IoT forecourt controller
- Wireless connection to dispensers
- Payment terminals integration
- E-invoicing
- Cloud server for reporting and analysis



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General
Information

CZC-TS1222 is an advanced CNG dispenser is engineered for accurate, safe, and efficient compressed natural gas dispensing. It features premium Coriolis mass flow meters from Endress+Hauser or Emerson Micro Motion, intelligent ATC functionality, predictive maintenance diagnostics, and AES-256 encrypted communications. Advanced safety systems include intrinsically safe pressure transducers, quad-solenoid valve control, automatic pressure-based shutoff, and cascade filling management. Supporting RS-485, IFSF, and Fuel-Connect® interfaces, the dispenser delivers reliable performance, comprehensive transaction logging, and seamless integration with modern CNG station automation systems.

Performance

- **Multiple** top branded Coriolis mass flow meters from Endress (E+H) and Micromotion (Emerson)
- **CNG Nozzle**
- PARKER / WEH / OPW / STAUBLI make ½" high flow breakaway hose with breakaway, 15° angled outlet
- **Pressure Transducer**
- **3 Gas Inlets** with the option of sequencing valves for cascade filling
- **Inlet Filters**
- **Manual Emergency Shutoff Valve**
- **Internal Pressure gauge** 400 bar
- **Discharge Pressure Gauge** 400 bar one per side
- **Unlimited** transaction data
- **Programable** fuelling units for **KG**
- **Programable** Predictive Maintenance **Alerts**
- **Display with power back up of 15 minutes**
- On board temperature sensor
- **ATC functionality**
- **Electronic totalizer**
- Integrated electronics section, conduit cable routing
- HTN or PMVA displays
- 20x4 informative LCD
- **24VDC ½" Direct acting Quad-Solenoid** valve per nozzle
- **One year** comprehensive warranty

Communication
Interfaces

- CZAR proprietary up to AES-256 RS-485 communication protocol
- IFSF Protocol
- Fuel-Connect® automation interface
- Other Automation compatible

Security

- Protected Time Stamped event log for Errors, Alerts and parameter changes
- Up to 64GB Encrypted Industrial grade Memory card with family integrity for all life-long transactions & logs
- Dynamic Passwords for Multilevel users

Structure Options

- Powder-coated on MS CRC.
- Powder-coated on GI coated MS CRC.
- Annealed stainless steel.
- Textured stainless steel for exterior panels.
- Customer's branding and color options available during design & manufacturing