TALIEH SHARGH
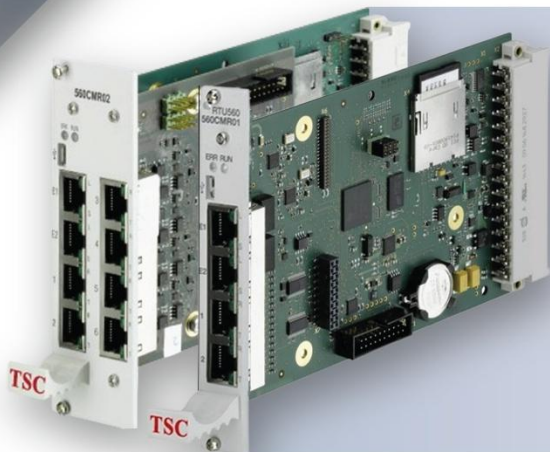Electrical Equipment Manufacturing

Catalog
TSC RTU560

Product Introduction Catalog

CPU

The RTU560 system has two core CPU modules: 560CMR01 and 560CMR02. These modules help with industrial communication and control. The main difference is the number of output ports.

- Central module of the RTU560 with ARM based platform.
- 2x ETH, 6 serial (RS485/232)
- 1 x Micro-USB interface for webserver access
- Powerful CMU platform
- Considerable memory (128 MB)

Digital Input

The 23DI23 module is a binary input unit for RTU560 systems. It works with 16 binary signals in industrial automation. It has isolation and noise filtering to keep data safe and reliable.
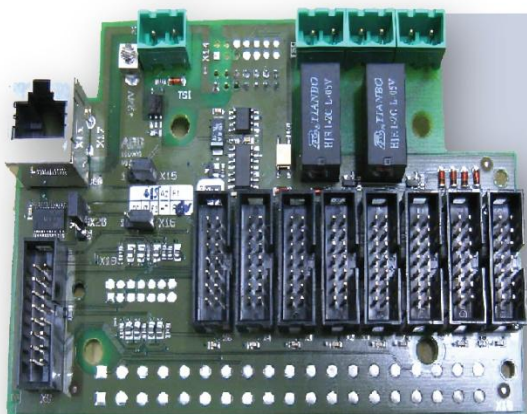
- 16 binary channels
- 1ms resolution, digital noise filter
- LED indicators for real-time status

Analog Input

The 23AI23 module is an analog signal unit for RTU560 systems. The 23AI23 module records up to 8 analog measured values. It has noise suppression and works with sensors to keep data reliable.
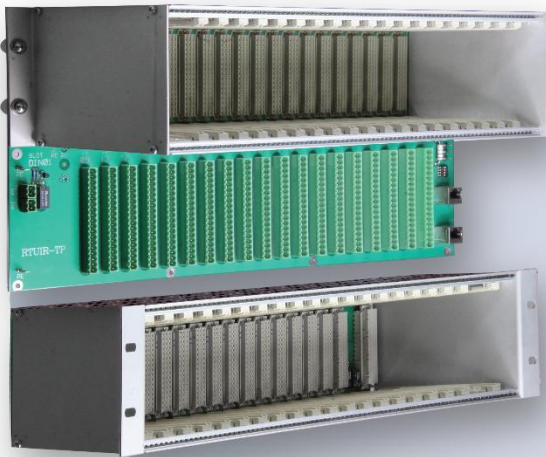
- Analog measured values (AMI)
- Measured floating point information (MFI)
- AD converter resolution: 16 bit
- Measuring ranges: ±2 mA; ±5 mA; ±10 mA; ±20 mA; ±40 mA; ±2 V DC; 0-20 V DC

BCU

The BCU05 /BCU04 /BCU02 modules help RTU560 systems with communication and signal processing.

- Handles alarm signals, power checks, and events. It has 16 inputs and a pulse output (TSO).

- Manages input/output and time sync. It uses an optocoupler for the real-time clock.

Subrack

The 560MPR03 and 560SFR02 racks are modular units for RTU560 systems. They help with industrial automation by providing stable power and communication for I/O modules. These racks make system setup flexible and easy.
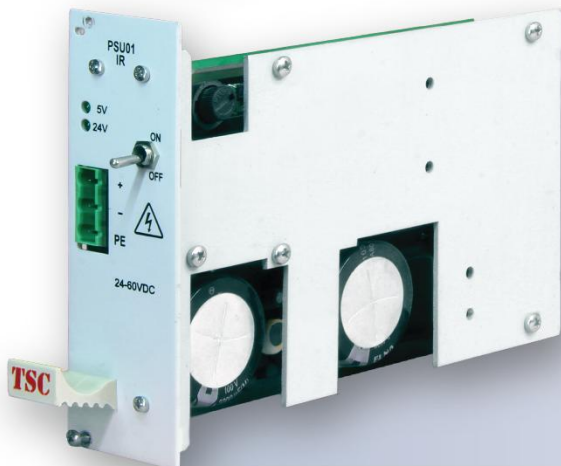
- Fits 19" frames with multiple slots for I/O modules
- Works with redundant and non-redundant power supply
- Can hold up to 22 slots for communication and control
- Status relay shows power status clearly
- MPR03 / SFR02 / ET / TP

Digital Output

The 23DO20 module is a relay control unit for RTU560 systems. To be used for control of 16 binary process signals using relay contacts. It helps with safe and efficient control and real-time monitoring.

- 16 relay contacts, 2 groups of 8 outputs with common return
- Max. switching voltage: 150 V DC
- Max. breaking current: 2 A @ 60 V DC

Power Supply

The 560PSU01 Power Supply Unit powers RTU560 systems. The unit has a DC/DC converter, making sure the system works well in tough conditions.

- Input voltage 24 - 60 V DC
- Output voltage: 5 and 24 V DC
- Suitable for redundant power supply in MPR and SFR

Flash

The TSC.12/13 BASIC/HMI/PLC License helps monitor and control RTU560 series units. It comes on an Flash and works with different controllers.

- Compatibile with 560CMR01 and 540CID01 controllers
- Available in 12 ,12.2 ,12.7 and 13 Versions
- From 750 to 5000 Data Points for flexible monitoring
- BASIC / HMI /PLC

About Us

Talieh Shargh Engineering Communication and Technology Company (TSC), a knowledge-based subsidiary of Moham Shargh Group (MSGroup), specializes in telecommunications and dispatching engineering. Founded in 2006, TSC delivers innovative solutions in engineering, training, telemetry, SCADA systems, and automation, aiming to enhance industry performance.

As a trusted contractor for Khorasan Regional Electricity Company, TSC leverages over a decade of expertise in maintaining and servicing dispatching equipment. With strategic leadership and a skilled team, the company designs and manufactures advanced products, including the RTU560 product line, Alarm Units, and Frequency Meters, meeting the electricity sector's evolving needs.