San Telequip (P) Ltd.,
504/505 Deron Heights, Baner Road, Baner
Pune 411045, Mah, India
Phone : +91-20-65001587, 9764027070, 8390069393
email : info@santelequip.com

Specification sheet for IEC Protocol Gateway, Model GW IEC Series

GW IEC is specifically designed gateway for Power Industry applications. It is used to interface conventional field devices with IEC 60870-5-104 / IEC 60870-5-101 protocols to SCADA networks with and MODBUS RTU / Modbus TCP protocols. It is typically used with Alarm announciators, Circuit Breakers, Protection Relays, PLCs, Transformer Monitoring systems, Capacitor Banks etc.

General Specifications

- Serial port with protocol support for MODBUS RTU Master / Slave, IEC 60870-5-101
- Ethernet port supports IEC 60870-5-104, Modbus TCP
- System supports TCP/IP, UDP, SMTP, POP, FTP, HTTP, SNMP
- File Upload/Download, Remote configuration through configuration tool
- SSL VPN with AES, DES or 3DES encryption over WAN
- Transparent Channel / Tunnelling support
- IEC Master / Slave, Modbus Master / Slave selectable by the utility
- Robust design with DIN rail mounting and wall mounting enclosure
- Industrial Screw type Power Terminal block for 18V ~ 36V DC operation.

Communication Protocols

Serial Port : Modbus RTU, IEC-60870-5-101
Ethernet Port : IEC-60870-5-104, Modbus TCP

Communication and I/O interfaces

Serial : 1 port RS232 or RS485
Ethernet : 10 / 100 Base Tx

Power Supply

Input Supply : 24V DC, 3 Pin Screw type Terminals
Wattage : 2.5W

Environmental Conditions

Operating Temperature : -40° to 80°C
Relative Humidity : 90 % Rh non condensing

Mechanicals

Enclosure : Metallic Enclosure with DIN rail and wall mounting
Dimension : 52 x 75 x 120 mm

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Product Ordering Code

Model number	Protocols	
GW IEC 01	IEC 60870-5-101	Modbus TCP
GW IEC 02	IEC 60870-5-101	IEC 60870-5-104
GW IEC 04	Modbus RTU	IEC 60870-5-104

NOTE:

- 32 Devices can be multi dropped on the Modbus RTU / IEC 60870-5-101 side.
- Depending on site conditions, this figure may decrease.
- Max 800 points are supported in GW IEC 01, GW IEC 02 and GW IEC 04.