



SMP 4 Intelligent Substation Gateway

The Little Box That Can

The **SMP 4 Gateway** is perfect for space-sensitive applications, where every inch counts! Typically installed directly in relay protection enclosures, this compact version of the SMP Gateway family provides essential communication and data concentration features, along with an exceptional operating temperature range, on a budget. Moreover, its optional internal modem connects the SMP 4 Gateway to your network and SCADA via dialup.

Cybectec SMP Gateways bridge the gap between substations and the people who maintain, engineer and plan the future of the enterprise.

- Extract and concentrate data from any device, regardless of protocol
- Send data to SCADA, control centers and enterprise applications
- Automate data processing and device control
- Passthrough to any device

Upgrade your substations, not your RTUs

- Integrate existing / legacy RTUs, IEDs, PLCs, and multiple control centers
- Universal port lets you connect any serial device

Automate! Add intelligent controls to your substation equipment

- Extend the capabilities of legacy devices with high-level functions such as grouped controls

Strengthen cyber-security

- Prepare for NERC CIP compliance with the SMP Gateway's security features
- Protect data flows with the built-in firewall and VPN server

All-in-one tough box

- Meets all IEEE and IEC requirements for substation-grade equipment
- Advanced architecture saves rack space
- Creates a NERC-compliant electronic perimeter

Provide a single point of access

- Create a homogenous system with a single entry point for each substation
- Extract non-operational data for planning, maintenance, engineering, and fault analysis

Work with the experts

- We have decades of experience in substation gateway design
- Thousands of installed systems worldwide
- SMP Gateways are rugged, reliable and tailored to our client's needs

You can depend on it

- Our SMP Gateway is both field-proven and operator-proven
- Easy to setup and use
- Includes user-friendly configuration tools that simplify substation upgrades



SMP 4 Technical Specifications

General Features

Data concentration
 Protocol translation
 NERC CIP-compliant security
 Built-in web server
 Automation functions
 Passthrough connections
 Dialup connection
 Windows®-based configuration and maintenance tools
 Built-in self-diagnostics
 Real-time clock with battery backup
 Built-in watchdog timer
 Power supply monitoring
 Flexible Licensing

Standards Compliance

Protective Relay Standards
 IEEE C37.90
 IEC 60255
 EMI Immunity Type Tests and Specifications
 IEC-61850-3
 IEEE-1613
 Telephone Terminal Equipment
 TIA-968-A
 CS-03
 CE Marking for Low Voltage Electrical Equipment
 Unit test list available upon request

5-Year Limited Warranty

Security Features

Built-in firewall and VPN
 Modem connection management
 Pass-through management
 Account management:
 Strong passwords
 User accounts and user groups
 Detailed group permissions
 Access management
 Access attempts logs
 Account lock upon failed access attempts
 Retrievable access logs for auditing
 All system components signed
 Continuous file monitoring for system integrity

Protocols

DNP3, IEC 60870-5-101/103/104, MODBUS, SEL, GE, ABB, L&G, COOPER, and most electrical industry proprietary protocols

Connectivity

Up to 16 device connections
 Up to 4 control center connections
 Up to 5 000 data points

Communications

Serial
 1 universal (RS-232/422/485)
 3 RS-232
 1 RS-232 console

Modem
 Optional 33.6 Kbps V.34

Ethernet
 1 10/100 BASE TX

Electrical

Power supply options
 9-18 VDC
 36-72 VDC
 85-264 VAC / 105-370 VDC
 5 W consumption

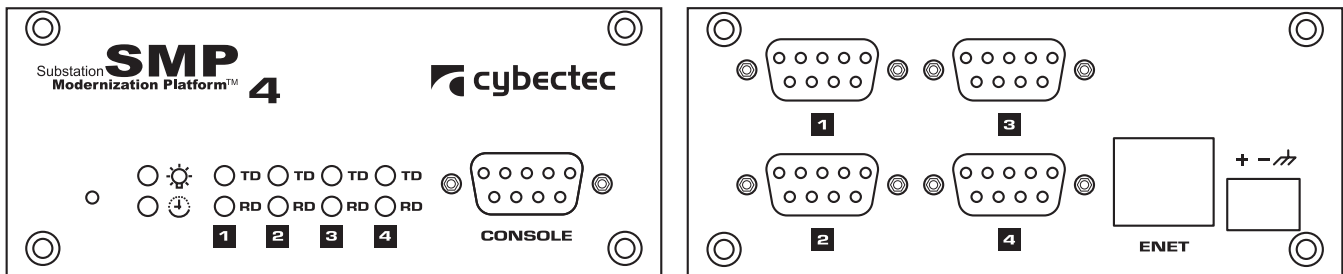
Environmental

Temperature
 Operating -40°C to +65°C
 -40°F to +149°F
 Storage: -40°C to +85°C
 -40°F to +185°F
 Humidity: 5 to 95%, non-condensing

Mechanical

1.77" H x 4.27" W x 6.3" L
 45 mm H x 108.5 mm W x 160 mm L
 1 kg / 454 g

SMP 4 Front and Rear Views



QUEBEC CITY
 730 Commerciale Street, Suite 200
 Saint-Jean-Chrysostome, Quebec Canada G6Z 2C5
Technical Support
 (418) 834 0009
 support@cybectec.com

MONTREAL
 1290 St. Denis Street, Suite 400
 Montreal, Quebec Canada H2X 3J7
Sales and marketing
 (514) 845 6195, ext. 49
 sales@cybectec.com

WWW.CYBECTEC.COM