

eXP-9430 Comm Port Expander



Expand Your Substation Data Concentrator and Provide Secure Access for your Entire Enterprise

The eXP-9430 is a compact addition to your ePAQ-9410/9420/9425 Multifunction Gateway which expands the number of serial or IP ports for access to additional devices or IEDs.

Housed in a 19" width enclosure with a 1U footprint, the eXP-9430 has all front access connections for convenient rack or panel mounting. This allows for easy expansion into available station house space.

Convertible Communications Ports for Flexible Installations

The eXP-9430 provides 16 additional ports which are convertible RS-232C or RS-485 and may be allocated on a per port basis. Optionally, these may be provided as eight Serial Fiber Ports with eight ST (multimode) or SC (single mode) connections.

The 10/100 BaseTX connection is through a standard RJ-45 connection, with the 100 BaseFX interface using standard ST fiber connectors.

- *Expand your QEI Substation platforms to additional Devices, Protocols and Communication Interfaces with a Convenient Modular Package*
- *Ethernet 10/100 BaseTX and 100 BaseFX ports for IP accessibility*
- *Sixteen RS-232C/RS-485 or eight Serial Fiber ports for incorporating Future, Current or Legacy Devices*
- *Works within Your Substation plan to meet NERC-CIP and Cyber Security requirements*
- *Quick and easy configuration with provided ConfigWiz® Windows Software*
- *Front Panel LED Indicators for easy assessment of operation*
- *IRIG-B Interface for System Time Synchronization*
- *Front access connections for Rack or Panel Mounting to simplify installation*

SPECIFICATIONS

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|--------------------------|--|--|
| Ports Capacities | 16 RS-232/RS-485 (switchable); or 8 Serial Fiber Ports (multimode with ST Connectors) All inputs surge protected | 1-100 BaseFX Ethernet 1-10/100 BaseTX Ethernet 1-RS-485 IRIG B |
| Hardwired I/O Capacities | Status: Maximum of 16,384 points at 64 points per I/O Interface Board Analog: Maximum of 8,192 at 32 points per I/O Interface Board Control: Maximum of 32,768 at 16 points per I/O Interface Board (up to 8 AGC raise/lower points) | |
| Mounting | Add-on expansion chassis in 1U rack space, front or rear mounted | |
| Architecture | LINUX Real Time O/S. Communications Ports are tri-stateable for redundant configuration. May be supplied in redundant processor configuration with auto-failover for high availability applications. | |
| Configuration | Through secure ConfigWiz® management program locally (USB port on parent unit) or through remote IP connection. | |
| Power | 48-125 Vdc, 120/240/277 Vac (50/60 Hz, +/- 10%). Fused. Power requirement approximately Input 50VA. | |
| LED Indicators | Indicators to display communication port activity. | |
| Environment | -40° to +85°C, (-40° to 185°F) 0-95% humidity (non-condensing) | |

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