

## MicroPAQ Communication, Monitoring & Control Module



The MicroPAQ is the latest in the QEI line of Distribution Automation Products.

Intended to be used in harsh environments and with standard protocols available, the MicroPAQ has a wide range of applications in the electric, water, wastewater and gas industries:

- Generator monitoring and control
- Regulator monitoring
- Transformer monitoring
- Gas Pressure monitoring
- Water pump monitoring and control
- Water tank level monitoring
- Water pressure monitoring
- Small RTUs

The MicroPAQ is configured through provided ConfigWiz® Windows Software. Streamlined navigation, drag-and-drop functionality, IED Libraries and on-board tutorials provide for the easiest configuration tools for quick and easy configuration.

- **Module Inputs / Outputs:**  
*Four (4) Analog Inputs  
Eight (8) Status Inputs  
Two (2) Control Outputs*

- **Easy modular expansion for Additional hardware I/O points:**

**Status:** MicroPAQ-940S with 16 Isolated Status Inputs

**Analog AC:** MicroPAQ-940AC with 7 Analog Inputs

**Analog DC:** MicroPAQ-940DC with 8 Analog Inputs

**Control:** MicroPAQ-940R with 4 Control Points

- **IED support for up to three (3) IEDs**
- **Real-time Clock with Supercap backup**
- **Field proven protocols**
- **Closed Loop Control (CLC)**

# Communication, Monitoring & Control Module

## SPECIFICATIONS

Control Outputs	Two (2) control outputs (each with 2 momentary relays or 1 latching relay)
Status Inputs	Eight (8) status inputs (configurable as pulse accumulators) 1 msec Sequence-of-Event (SOE) time tagging 12 or 24 Vdc keying voltage (externally supplied)
Analog Inputs	Four (4) analog inputs +/- 0-1 mA, 4-20 mA, 05 Vdc standard scaling 16 bits full scale
Communication Ports	Network: Two (2) 10/100/1000 Mbps (shielded RJ45) Serial: One (1) RS-232/485 Combo Port (RJ45) One (1) RS-485 USB Maintenance Port I/O Communication Expansion Port (RS-422)
Programmable Logic	Closed loop control capability through the included "Programmable Communication and Control Logic" (PLCC) Module with intuitive Microsoft® Excel programming interface
Server Protocols	DNP, Modbus & QUICS – Maximum of two (2) configured servers.
Client Protocols	DNP & Modbus – Maximum of two (2) configured clients, three (3) IED's.
Power	24 Vdc nominal
LED Indicators	8 status input indications 4 control relay state indications Serial & Ethernet port activity indications Local control disable switch indication Power On/Off indication
Physical	5.5"H x 8.125"W, DIN or Panel Mount
Environment	-40° to +85°C, (-40° to 175°F) 0-95% humidity (non-condensing)

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