

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)**

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)

QEI, LLC

45 Fadem Road

Springfield, NJ 07081 USA

T: +973-379-7400 F: +973-379-2138

E: sales@qeinc.com

W: www.qeinc.com

This literature is for illustration purposes only and is not part of any contract. Features may be modified at any time without notice. All trademarks and names mentioned in this document remain the exclusive property of their holder.

V 1.8 3/24

