

ePAQ-9710 Multifunction Gateway



Realize the full potential of your substation device

The ePAQ-9710 Multifunction Gateway brings together data concentration, protocol translation, and secure communication for your substation – allowing to integrate both legacy and modern IEDs into unified SCADA infrastructure.

Designed for real-world substation operations, the ePAQ-9710 can filter, pre-process, and compute IED data locally — reducing data volume sent upstream, improving network efficiency, and speeding up decision-making. Its flexible expansion options let you add additional communication ports or modules as your network evolves, helping future-proof your system.

Secure remote access — including encryption and authentication ensures data integrity and supports compliance with cybersecurity standards. The unit is built for harsh utility environments and designed for reliability, scalability, and long-term deployment.

Easy to configure, access and troubleshoot using QEI Browser HMI and the configuration software. The HMI browser also includes a protocol analyzer providing a real-time display of raw communications traffic.

- High-Performance Quad-Core Architecture
- Supports 500+ devices
- Advanced Cybersecurity Features
- Additional Real time Processor
- Embedded Linux Operating System
- Flexible and Expandable Networking
- High Capacity Data Handling
- Integrated HDMI Output
- Space-Efficient 2U Rack-Mount Design

SPECIFICATIONS

Processor	NXP i.MX 8M Quad Core ARM Cortex – A53 (General Purpose) M4 Core (Real Time)		
Memory	4 GB LPDDR4 RAM		
Mass Storage	Up to 2 TB		
Ports Capacities	ePAQ-9710 2U rack space, front or rear mounted	6 RS232/RS485 - DB9 1 IRIG/RS485 Port(IRIG/DATA) HDMI Video Port	3 RS422 Backbone Ports 2 SFP+ 4 SFP Modulated Irig-B Interface USB Maintenance Port
	eXP-9430 Add-on expansion 1U rack space, front or rear mounted	Comm Port Expander 1-100 BaseFX Ethernet 1-10/100 BaseTX Ethernet 1-RS-485:IRIG-B	16-RS-232/RS-485 (switchable) or 8-Serial fiber ports (multimode / ST Connectors)
Hardwired I/O	Status: 64 points per additional I/O Interface Board Analog: 32 points per additional I/O Interface Board Control: 16 points per additional I/O Interface Board (up to 8 AGC raise/lower points)		
Additional I/O	Secure and configurable HTML display server (local or remote), IED engineering access		
Architecture	LINUX Real Time O/S. Option for redundant processors and/or communication with auto fail-over		
Configuration	Through secure ConfigWiz® management program and browser based test panel via local USB maintenance port and IP connection. Full complement of data filtering, port switching, IED I/O control, and other management/diagnostic functions.		
Network and Time	SNMP, NTP, PTP (IEC 1588), SNTP, IRIG-B. Supercap backup of internal real-time clock.		
Programmable Logic	Programmable Logic and Communications Controller (PLCC)		
Server Protocols	DNP3, IEC 60870, IEC 61850, Secure FTP, L&G 8979 (Serial and over IP), Modbus (RTU and TCP), QUICS (Serial and over IP), Tejas/Valmet Series III/V, BETAC, CDC I & II, Conitel, and others		
Client Protocols	DNP3, Modbus (RTU and TCP), IEC 60870, IEC 61850, SEL Fastmeter/ASCII with device discovery, large library of legacy SCADA protocols to interface older RTUs to upgraded, open systems and modern communication channels.		
Power	Low Voltage Input (24-60 VDC), High Voltage Input (90-277 VAC 50/60 Hz / 100-140 VDC)		
LED Indicators	Communication Status, Heartbeat, Power Supply		
Environment	-40° to +75°C, (-40° to 167°F) 5-95% humidity (non-condensing)		

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