

ePAQ-9425



Smart solutions.
Strong relationships.

**Intelligent
Multifunction Gateway**

ePAQ-9425 Multifunction Gateway



Bring your Substation Devices up to Full Productivity

***Interface with All Devices Using
Any Open Protocol and Over Any
Media***

***Front Panel Serial Fiber or Rear
Panel DB-9 Serial Port
Connections for Ease of
Installation within Existing Racks***

***Redundant Architecture for
Critical Applications***

***Easy, Modular Expansion for
Additional Hardware I/O Points***

***Security Tools available for
Meeting latest NERC-CIP and
Cyber Security requirements***

***Quick and Easy Configuration
with Provided CONFIGWIZ®
Windows Software***

***SD Memory Card and USB Ports
for Easy, but Secure, User
Expansion and Update***

***Embedded Web Server and HMI
for Local or Remote Display and
Configuration***

The ePAQ-9425 Multifunction Gateway should be at the core of your substation management program for the Smart Grid. Whether serving as an expandable front end for legacy RTUs or as the platform for the next stage of your distribution automation program, the ePAQ-9425 can serve to connect the myriad intelligent devices within your substation to your larger enterprise in a reliable and secure fashion.



**ePAQ-9425 Rear Panel
DB-9 Serial Connection.**

Data Concentration for Your Substation Devices

The ePAQ-9425 can integrate the complete catalog of IEDs using our library of legacy or open, industry standard protocols, be they serial or LAN based. In addition to data concentration, the unit can perform custom computations needed for filtering, translating, pre-processing or reduction. With CONFIGWIZ®, raw or processed IED data can be distributed to any remote enterprise, be they SCADA, maintenance or engineering activities through serial or WAN based channels. If needed, such transfers can be encrypted and authenticated for greater security.

Server Protocols	DNP3 (serial and over IP with secure authentication), IEC60870-5-101, IEC60870-5-104, Secure FTP, L&G 8979 (Serial and over IP), Modbus (RTU and TCP), QUICS (Serial and over IP), Tejas/Valmet Series III/IV, BETAC, CDC I & II, Conitel, and others		
Client Protocols	DNP3 (serial and over IP with secure authentication), Modbus (RTU and TCP), 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.		
Network and Time Mgt.	SNMP, NTP, PTP (IEC 1588), SNTP, IRIG-B. Supercap backup of internal real-time clock.		
Programmable Logic	Programmable Logic and Communications Controller (PLCC)		
Additional I/O	Secure and configurable HTML display server (local or remote), IED engineering access		
Ports Capacity	3U rack space, front or rear mounted	2-Bell 202T telecom legacy I/O 2-RS-232C (bit or byte) 1-SD/SDHC memory card IRIG-B (BNC, RS 485, serial fiber)	4-RS-232/RS-485 (switchable) 2-USB host ports, 1-USB Maint. Port. 2-100 baseFX Ethernet 4-10/100 baseTX Ethernet (RJ-45) 16-RS-232 or RS-485 (with rear panel DB9 Connectors) -or- 8-Serial fiber ports (multimode w/STconnectors)
	Serial and TCP/IP ports can be further expanded with the complementary eXP-9430 or eXP-9435 Comm Expansion Module		
Hardwired I/O	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)		
Architecture	LINUX Real Time O/S. Option for redundant processors and/or communication with auto-failover		
Configuration	Through secure CONFIGWIZ® management program and browser based test panel via local USB maintenance port or local/remote IP connection. Full complement of data filtering, port switching, IED I/O control, and other management/diagnostic functions.		
LED Indicators	Indicators to display CPU health, power, communications, IRIG-B activity, port activity with allowances provided for future indications.		
Power	48-125 Vdc, 120/240/277 Vac (50/60 Hz, +/- 10%)		
Environmental	-40 to +75 degrees centigrade, 5 to 95% humidity (non-condensing)		

CG Automation Solutions USA Inc

60 Fadem Road
Springfield, NJ 07081 USA
T: +973-379-7400 F: +973-379-2138
E: asolus.sales@cgglobal.com
W: www.CGAutomationUSA.com

This literature is for illustration purposes only, and is not part of any contract. As we have a policy of continuous product improvement, any features may be modified without notice. All trademarks and names mentioned in this document remain the exclusive property of their holder.

V1.0 9/13