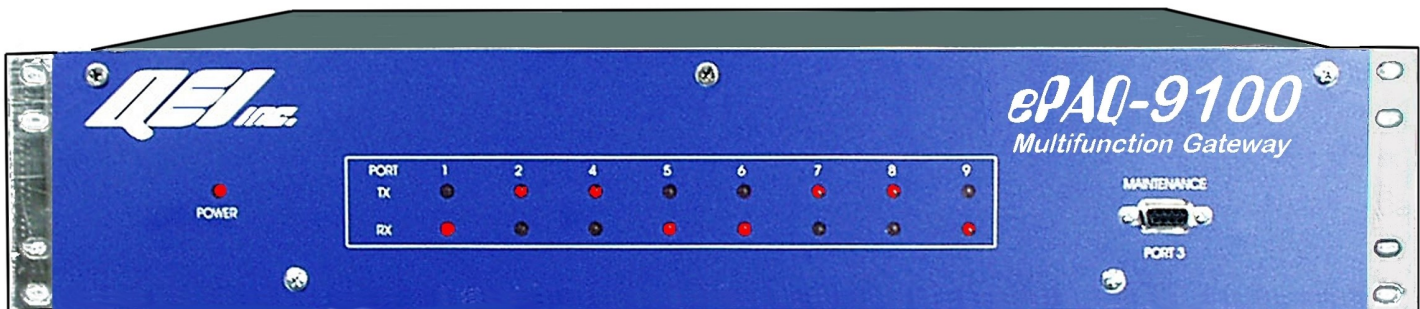


ePAQ-9100

Communications Management for the Smart Substation Environment



Now that the substation has become a myriad of microprocessors and communications channels, there is a need for a building block to restore order to your SCADA infrastructure.

The QEI **ePAQ-9100 Multifunction Gateway** is just such a device. Based on a rugged, 32 bit, communications flexible architecture, this unit can provide a gateway between your existing SCADA investments and newer monitoring and control technologies.

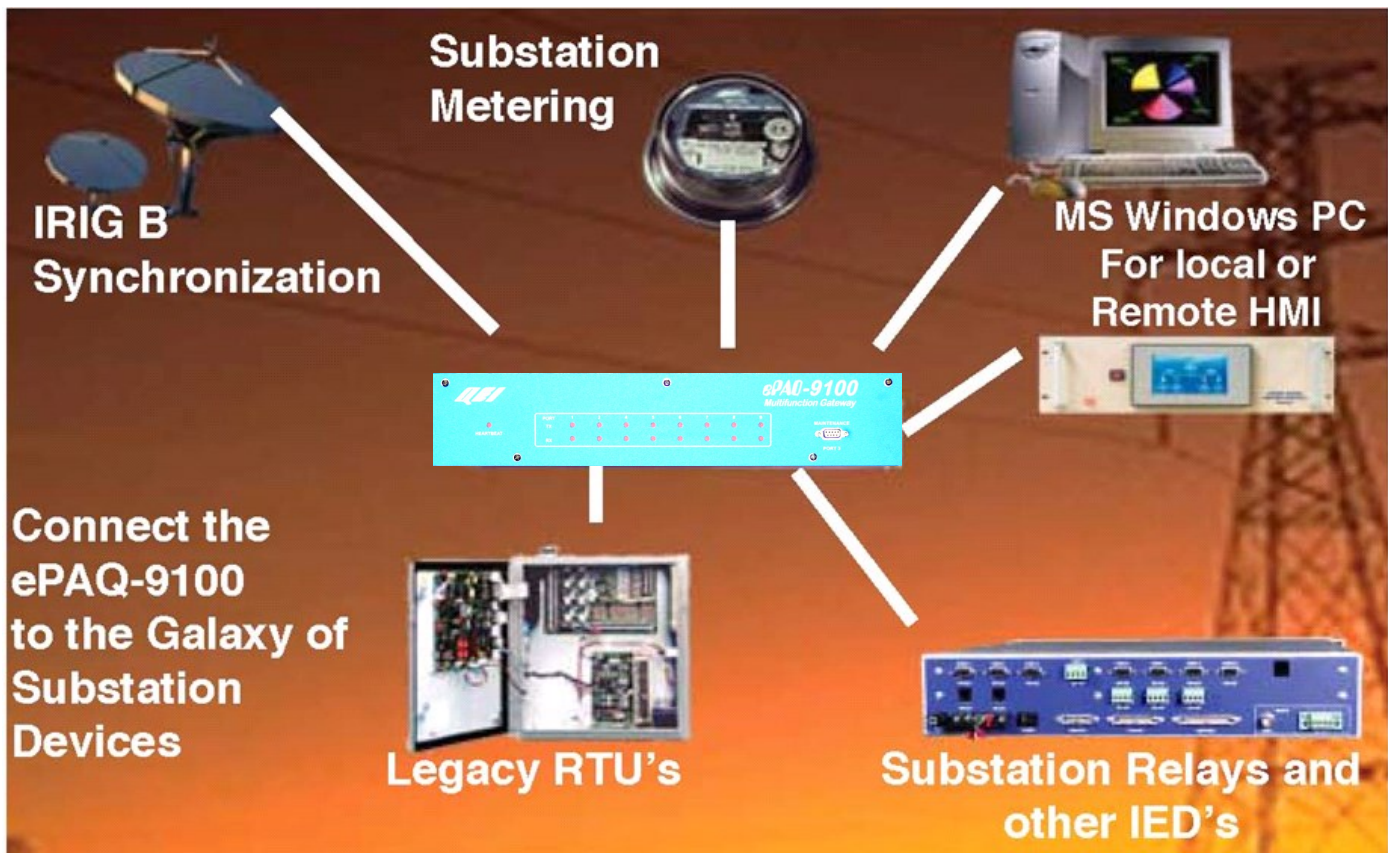
The programmable ePAQ-9100 can serve as:

- Intelligent **protocol-to-protocol gateway**
- Stand-alone substation controller
- Load management controller
- Substation monitoring and control display interface
- Local and remote access point to Intelligent Electronic Devices (**IEDs**)
- A programmable device for user-defined tasks within the substation

ePAQ-9100 Benefits

- Provide smart communications control for your substation
- Preserve your current RTU investment through the end of it's useful life
- Upgrade your existing RTUs to speak open protocols such as DNP3 or Modbus
- Monitor and control new intelligent substation devices
- Implement closed loop control algorithms for voltage or capacitor control with Programmable Logic and Communication Control (PLCC™) Software
- Make full use of your IED investment and use your SCADA system communications channels to talk to substation devices for remote file download or configuration changes
- Allow authorized monitoring and control via a single line diagram HMI displays in the substation or through a portable laptop

Substation Gateway



Local user interface: via laptop or optional, LCD with touch screen input

PORTS: up to 38 serial communication ports available (RS 232, RS 485, fiber)

Extended protocol support including: DNP3, Modbus, 2179, UCA2.0, SEL Fastmeter/ASCII. A large library of legacy protocols is available.

Operation with multiple master stations and communications protocols

IRIG B synchronization for sequence-of-events time tagging

Convenient front panel diagnostic LEDs

Local or remote HMI through a standard Web Browser

Ethernet Ports (2) 10/100 baseT, 10/100 base TX 100 baseFL fiber interface

2U form factor, 19" Rack Mounted, 21" deep

Environment: -30 to +70 degrees C, 5 to 95 % humidity (non condensing)

Being a general purpose substation automation and communication device, the ePAQ-9100 Multifunction Gateway is being continually enhanced to provide additional functionality.

Contact your local QEI representative for further details.

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