

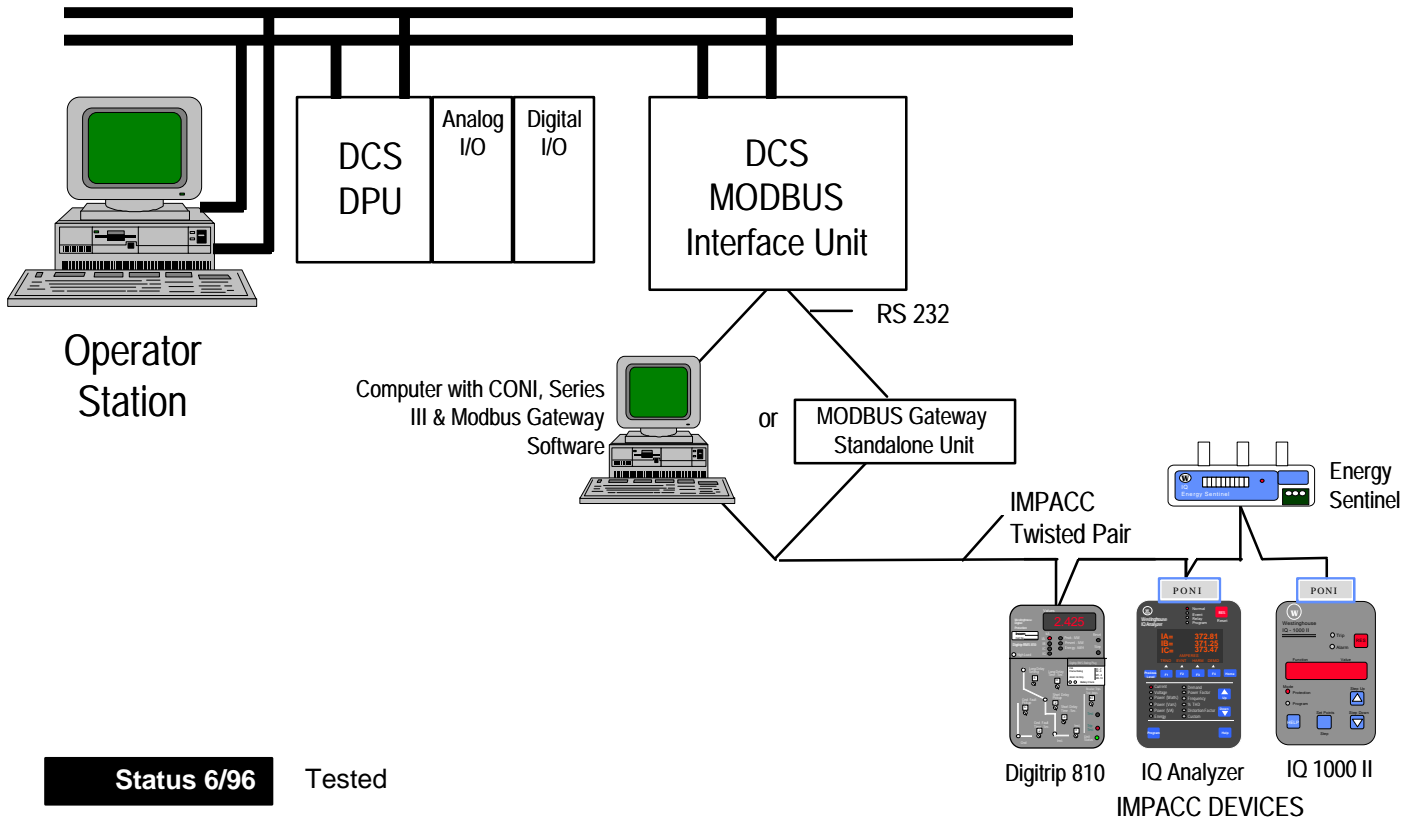
IMPACC CONNECTIVITY

Connecting to Distributed Control Systems: Modbus Gateway

Interface Manufacturer Cutler-Hammer

Supports All IMPACC Devices (waveform data from the IQ Analyzer and Digitrip 910 is not supported)

IMPACC can be connected to any system with the ability to communicate using the Modbus protocol. This is done through the Modbus Gateway. The Modbus Gateway translates the INCOM signal to Modbus protocol and communicates it to the master system over the RS232 transmission media, using RTU transmission mode. Modbus is a widely used protocol for which the majority of Distributed Control Systems have a standard interface. Note: The Modbus Gateway supports up to 200 IMPACC devices.



Status 6/96 Tested

Distribution & Control Bill of Material*

- Modbus Gateway Standalone Unit or Computer with Series III and Modbus Add-on Software
- IMPACC Devices
- PONIs (where necessary)

Contact Advanced Product Support Center
800/809-2772

Application Note IMPACC Wiring Specification - TD 17513, Modbus Gateway Manual - IL17545

*NOTE: Complete Bill of Material must also include hardware/software from other vendors

IMPACC CONNECTIVITY

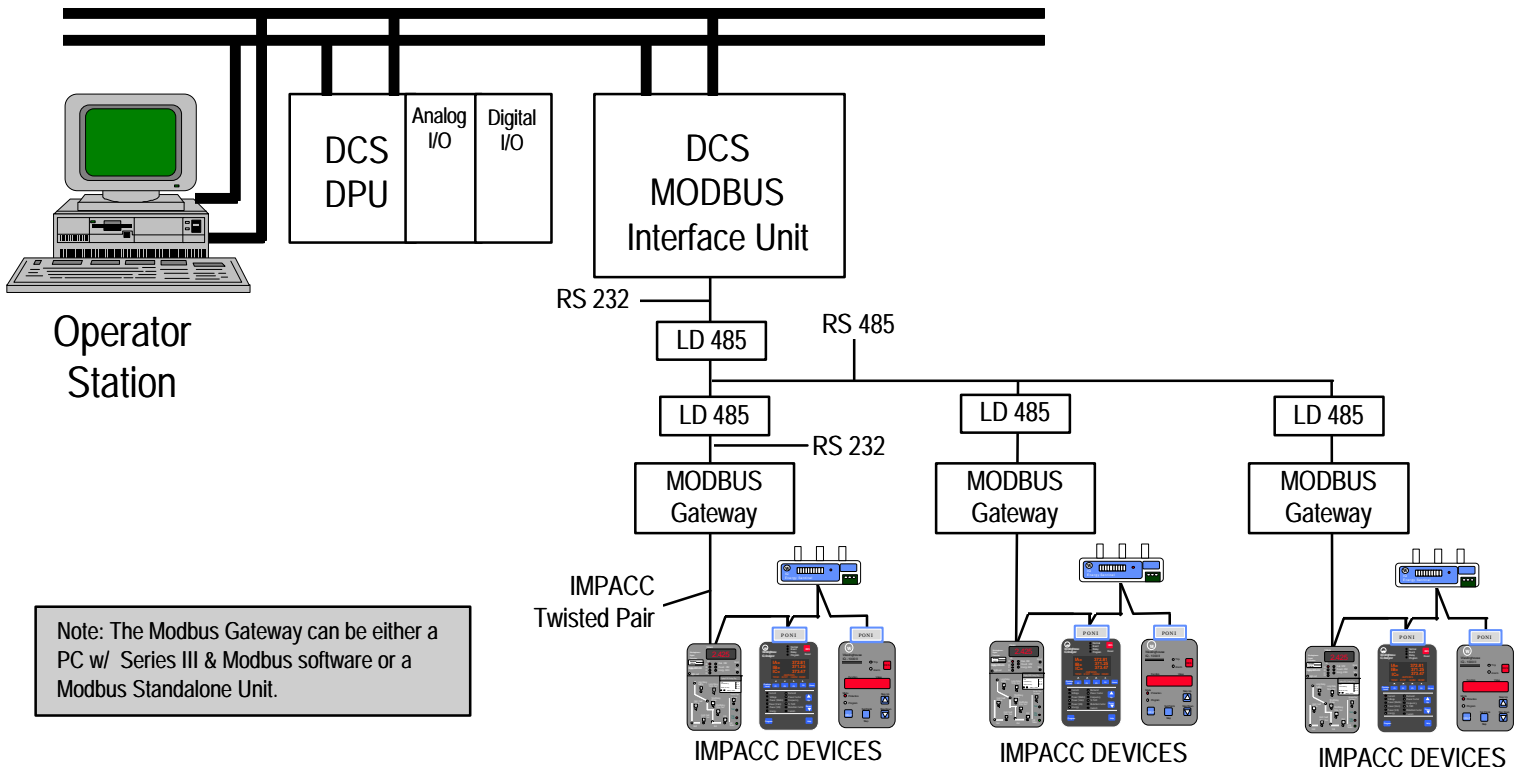
Connecting to Distributed Control Systems: Multi-Drop Modbus

Interface Manufacturer Cutler-Hammer

Supports All IMPACC Devices (waveform data from the IQ Analyzer and Digitrip 910 is not supported)

IMPACC can be connected to any system with the ability to communicate using the Modbus protocol, (please see page 5-1 for more details on Modbus interface.)

Due to the point to point wiring restrictions associated with RS 232, RS 232 to RS 485 line drivers must be used to tie multiple Modbus Gateways back to a single DCS interface.



Status 6/96 Tested

Distribution & Control Bill of Material*

- Modbus Gateway Standalone Unit or Computer with Series III and Modbus Add-on Software
- IMPACC Devices
- PONIs (where necessary)

Contact Advanced Product Support Center
800/809-2772

Application Note IMPACC Wiring Specification - TD 17513, Modbus Gateway Manual - IL17545

*NOTE: Complete Bill of Material must also include hardware/software from other vendors

IMPACC CONNECTIVITY

Connecting to

BAILEY - Network 90

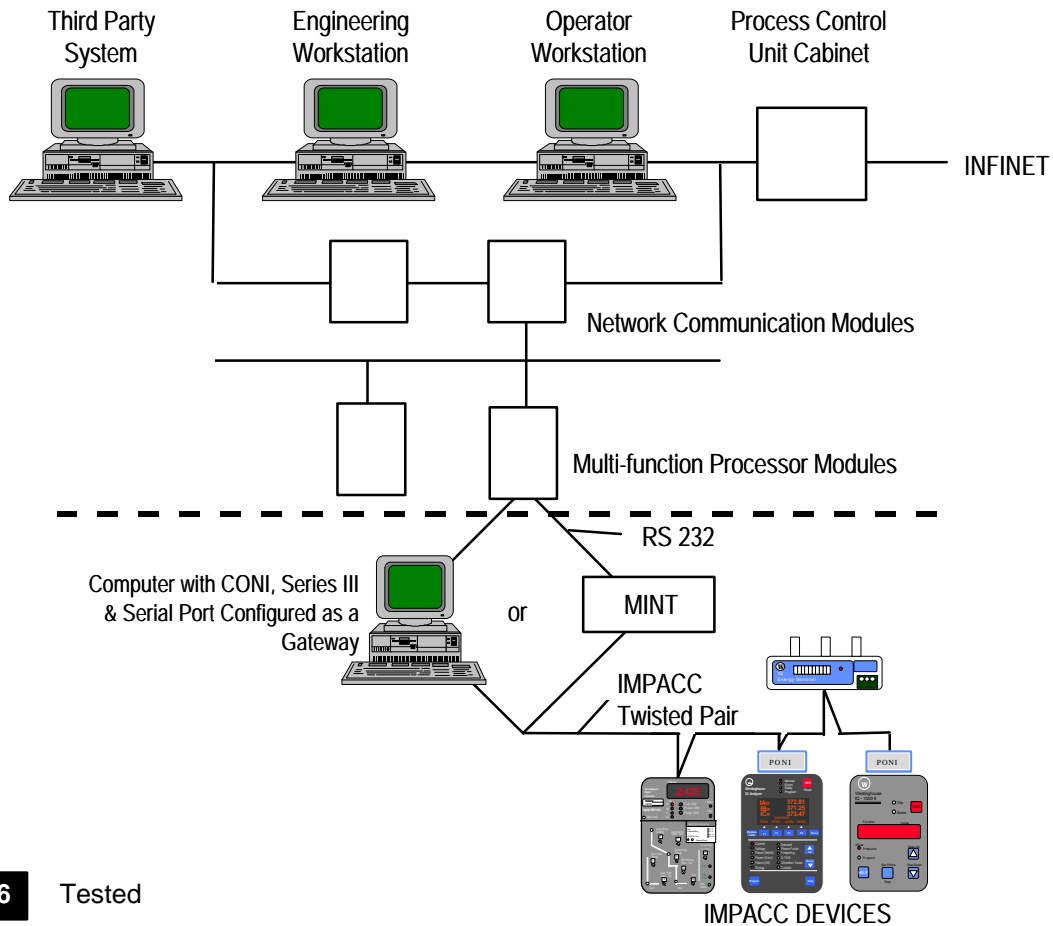
Interface Manufacturer

Bailey Controls

Supports

Driver (supports or can be modified to support) all IMPACC Devices.

An interface has been developed by Bailey Controls that allows the Bailey network to act as a master on the IMPACC network. This is done through a software driver loaded into the Bailey Multi-Function Process Module. This is a hardware module with an RS232 port and acts as the interface unit between the MINT II and Bailey's Network 90.



Status 6/96

Tested

Distribution & Control Bill of Material*

- MINT or Computer with Series III and a CONI (serial port configured as a Gateway)
- IMPACC Devices
- PONIs (where necessary)

Contact

Local Bailey Controls Sales Office

Application Note

IMPACC Wiring Specification - TD 17513

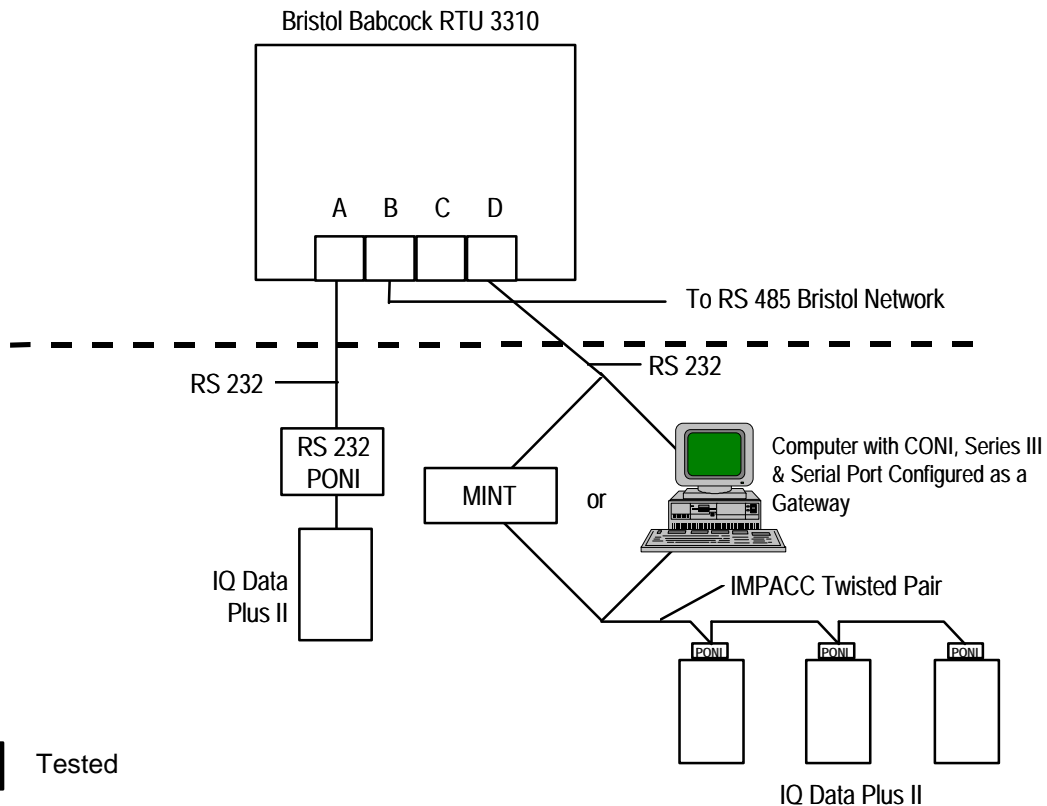
*NOTE: Complete Bill of Material must also include hardware/software from other vendors

Connecting to BRISTOL BABCOCK RTU 3310

Interface Manufacturer Point Eight

Supports IQ Data Plus II

A driver has been written in the ACCOL II language to allow the Bristol Babcock RTU 3310 to communicate to an IQ Data Plus II via a RS 232 PONI or a MINT II. The parameters of the IQ Data Plus II are transferred to the RTU and then sent over the RS 485 network. This is done by initializing the RTU serial ports as "logger" ports. The "logger" port is directly connected to the RS 232 PONI or MINT II by a serial cable.



Status 6/96 Tested

Distribution & Control Bill of Material*

- MINT or Computer with Series III and a CONI (serial port configured as a Gateway), or RS 232 PONI
- IQ Data Plus II's
- PONIs

Contact Point Eight
1510 Engineers Road
Belle Chasse, LA 70037
504/394-6100

Application Note IMPACC Wiring Specification - TD 17513

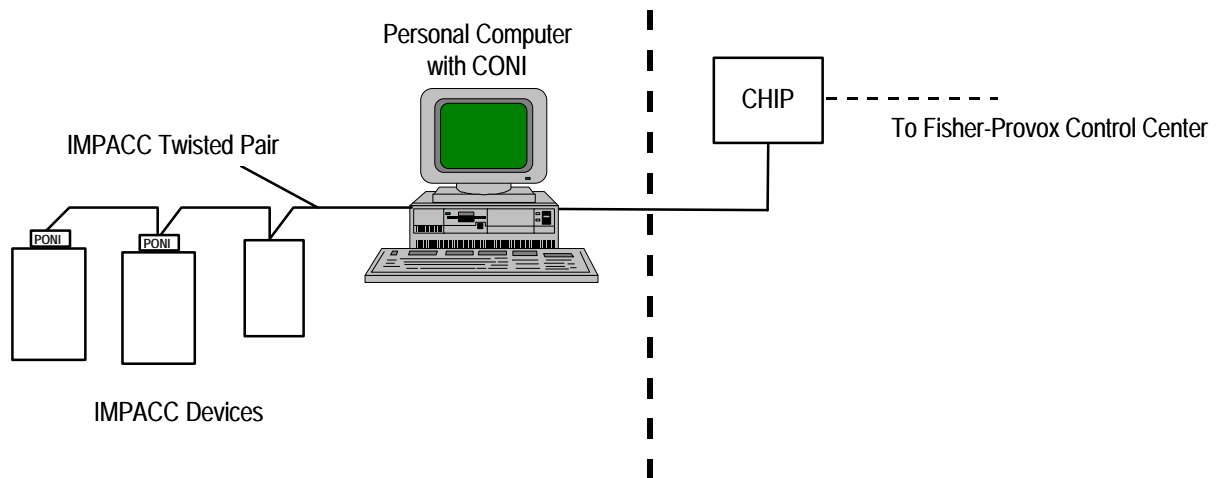
*NOTE: Complete Bill of Material must also include hardware/software from other vendors

Connecting to FISHER-PROVOX - Provox / RM1

Interface Manufacturer Scalon Control

Supports IQ Data Plus II's, IQ1000-II's, MMCO Relays

An interface has been developed by a third party integrator for Fisher-Provox. This interface allows information from IMPACC to be fed into the Fisher-Provox system through a Computer Highway Interface Package (CHIP). The CHIP pulls information directly from the CONI, and sends it to the Fisher-Provox control center.



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Distribution & Control Bill of Material*

- CONI
- IQ Data Plus II's, IQ1000-II's, MMCO Relays
- PONIs (where necessary)

Contact Scalon Control
2455 W. Cardinal Dr.
Beaumont, TX 77705
409/842-5932

Application Note IMPACC Wiring Specification - TD 17513

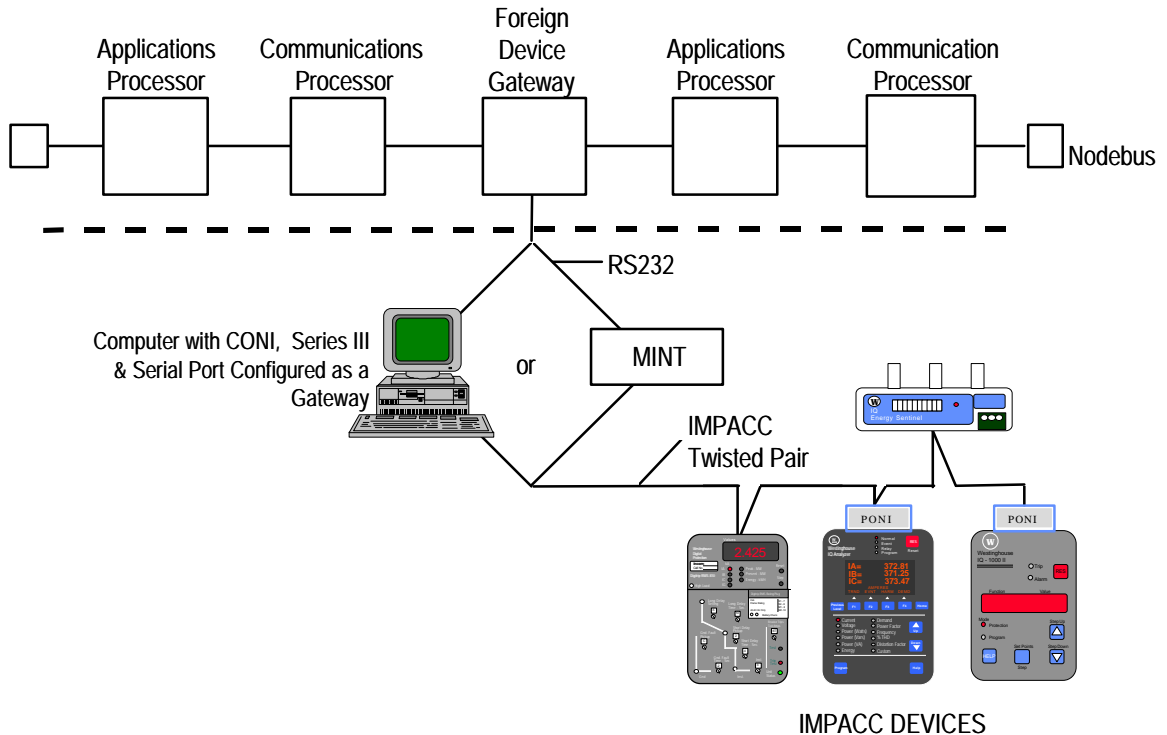
*NOTE: Complete Bill of Material must also include hardware/software from other vendors

Connecting to FOXBORO -- Intelligent Automation (I/A) Series

Interface Manufacturer Foxboro

Supports IQ Data, IQ Generator, IQ DP II, AEM II, Digitrip 700/800(through AEMII), IQ 1000, IQ 500, Advantage, ACM, Energy Sentinel (breaker mount), RTD

An interface has been developed by Foxboro that links IMPACC and Foxboro's Intelligent Automation (I/A) Series. The interface is done through the Foreign Device Gateway (FDG) - a module with an RS232 port and loaded with an IMPACC driver. Information is then sent from the FDG to the Foxboro Operator Workstation.



Status 6/96 Tested

Distribution & Control Bill of Material*

- MINT or Computer with Series III and a CONI (serial port configured as a Gateway)
- IMPACC Devices
- PONIs (where necessary)

Contact Local Foxboro Sales Office

Application Note IMPACC Wiring Specification - TD 17513

*NOTE: Complete Bill of Material must also include hardware/software from other vendors

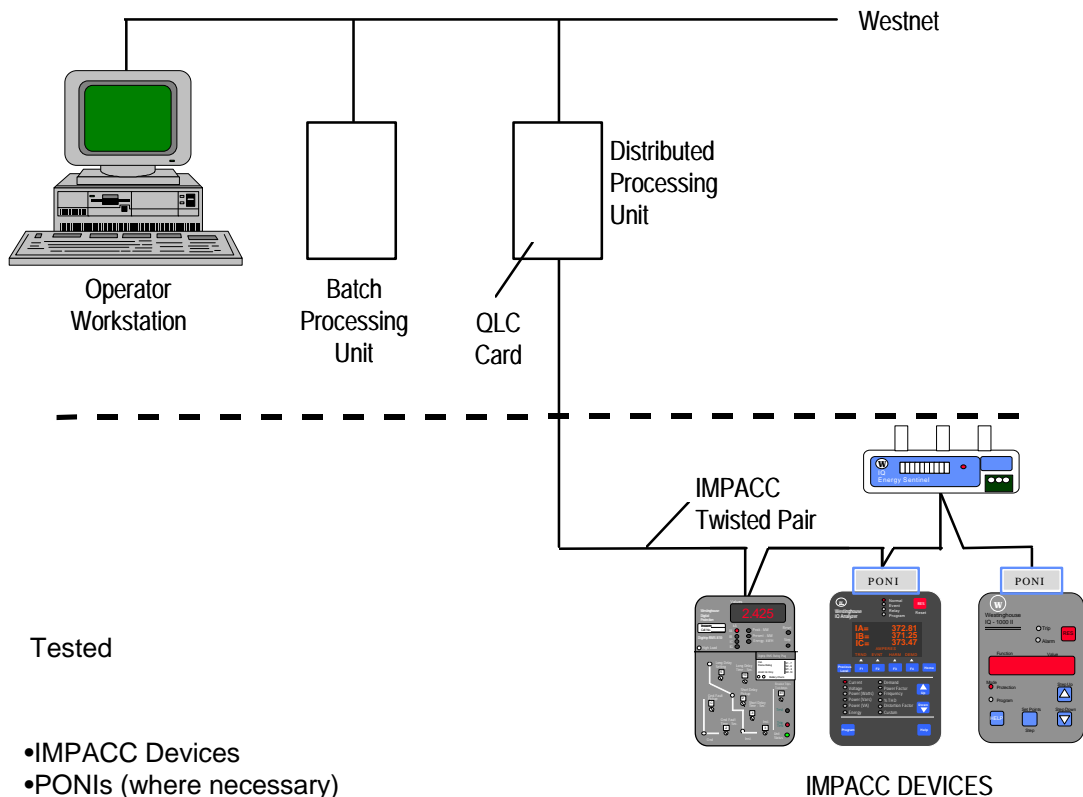
IMPACC CONNECTIVITY

Connecting to Westinghouse - WDPF

Interface Manufacturer Westinghouse Process Control Division

Supports Addressable Relay, Advantage, ACM, AEM II, CMU, Digitrip RMS, IQ Energy Sentinel (breaker mount) IQ 1000 II, IQ 500, IQ Data/Generator, IQ Data Plus II, Universal RTD Module

IMPACC can be directly interfaced with Westinghouse WDPF with the installation of a QLC card in the WDPF Distributed Processing Unit. The QLC card allows direct access to the IMPACC twisted pair.



Status 6/96 Tested

Distribution & Control Bill of Material*

- IMPACC Devices
- PONIs (where necessary)

Contact Local Westinghouse PCD Sales Office or Westinghouse Process Control Division
200 Beta Drive
Pittsburgh, PA 15238
412/963-4000

Application Note IMPACC Wiring Specification - TD 17513

*NOTE: Complete Bill of Material must also include hardware/software from other vendors