

Hathaway 8550/8600 RTU Upgrades

Do you have existing Hathaway® 8550/8600 Remote Terminal Units, but need advanced functionality? Are you deterred by the high cost of complete replacement?

Many utilities have a large installed base of Hathaway® RTUs, and are concerned about their options due to:

- Product obsolescence
- Limited or non-existent support
- An impending loss of workforce experience
- Large I/O point counts and wiring terminations
- An inability to utilize modern IEDs and open protocols
- Underutilization of IP based networks
- Narrowed Cyber Security and Smart Grid options

Cost-Effective Migration for Hathaway® 8550/8600

A modern and modular gateway platform which is **plug-compatible** with your existing Hathaway® hardware and wiring, will save your investment in installation, wiring, training and spares, yet permit you to use the very latest protocols, communications technology, IED interfaces, local HMI and NERC/NIST cyber security solutions.

Using Hathaway® specific board adapters, the existing wiring terminations remain undisturbed, while the main processor components are upgraded. Field labor, engineering and unnecessary equipment costs are avoided while newer, modern functionalities are achieved.

It is cost effective upgrade solution to move you toward advanced substation automation.

Meeting your current Substation Automation Objectives While Making the Most of your Existing Hathaway® RTU Investment:

Low-Risk, Low-Cost Upgrade Path for Existing RTUs

Preserves RTU I/O Wiring, Terminations, and Even Modules

Ease of Installation Minimizes RTU Downtime

Provides the Latest in Secure Communications Capabilities to Existing Substations

Integrate the Newest IEDs Using Modern Protocols

Painlessly Add Modern Substation Automation features

Seamlessly Continue Operations when RTU is Finally Retired

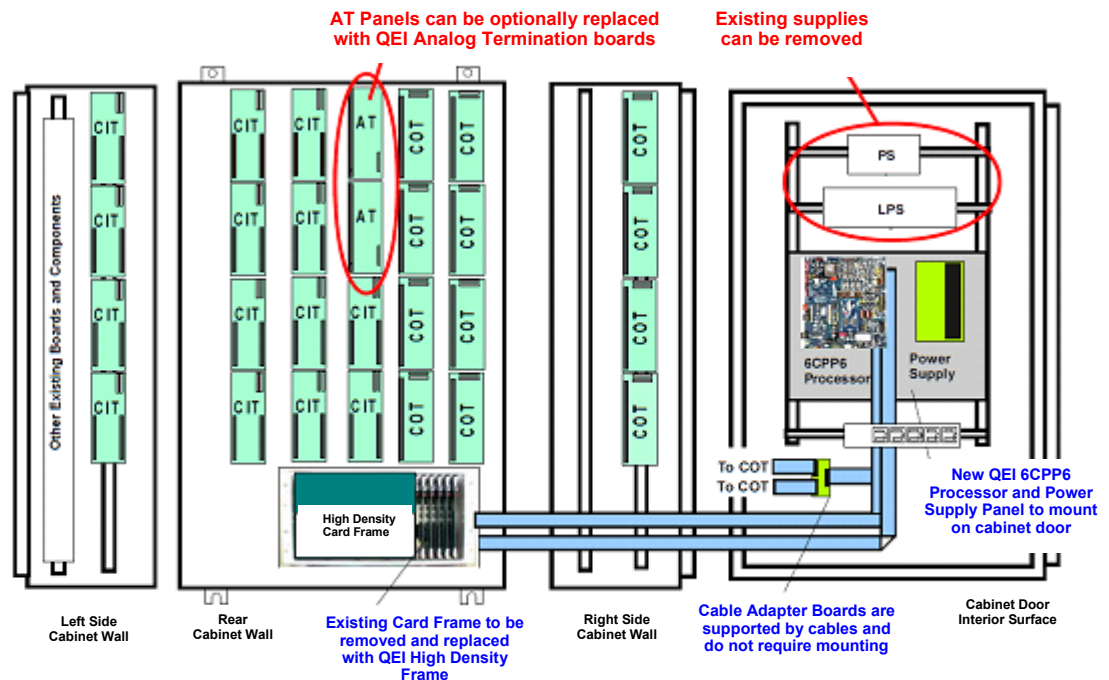
Hathaway RTU Upgrades

Series 8600 Upgrade

QEI will provide a 6CPP6 panel assembly and Power Supply to mount on the existing cabinet door.

QEI Status and Analog boards will interface with existing CIT and AT boards via custom ribbon cables and Cable Adapter Boards. COT cards will be driven directly through a custom control cable adapter card.

A QEI High Density Card Frame will be provided to both replace the existing card frame and to house the status and analog input cards themselves.

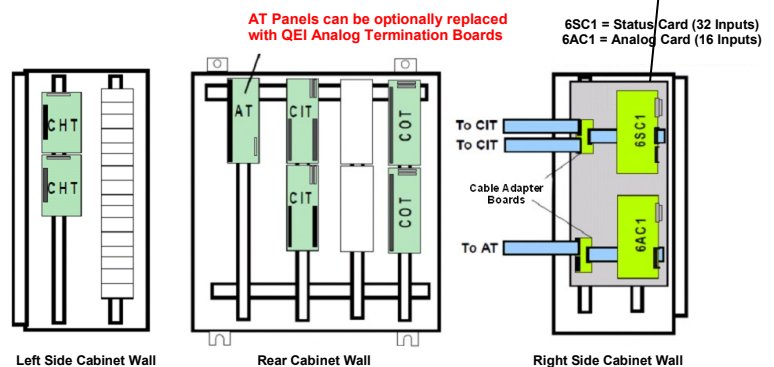
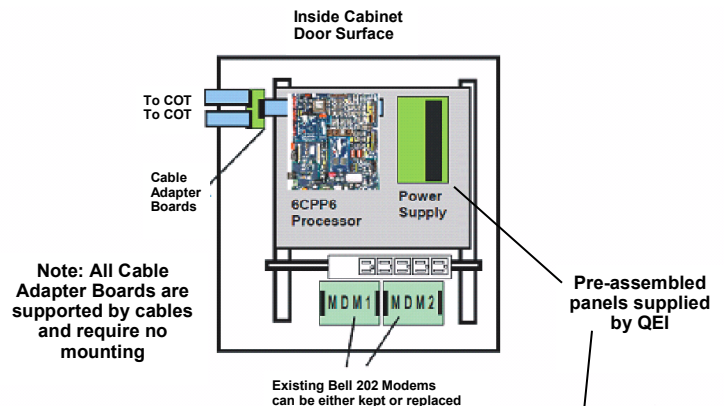


Series 8550 Upgrade

This upgrade will be accomplished in a similar manner, however the 6CPP6 mounting will physically displace the existing Main Logic Board (MLB) and the PS1 Power Supply.

QEI will supply an assembly (approximately 20" X 8") to be mounted on the right side of the cabinet. This assembly (consisting of 6SC1 and 6AC1) will connect the 6CPP6 to the existing CIT and AT modules via ribbon cables and provided Cable Adapter Boards.

Existing AT and CIT boards may optionally be replaced by QEI analog and status termination boards as well. COT boards are driven directly by the 6CPP6 via a provided cable assembly boards and custom ribbon cables.



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