Hardware Details

- Supports Econolite Linux-based software or other pre-qualified ATC/Linux software

- ATC Engine Board

  - *Fully compliant with the ATC Standard version 6.25 and proposed ATC Standard 6.34*

  - *233MHz PowerQUICC II Pro-processor that provides 10 times more processing power than previous generation controller processor*

  - *128Mbytes of DDR2 DRAM memory for application and OS program execution*

  - *64 Mbytes of FLASH for storage of OS Software and user applications*

  - *2MB of SRAM memory for non-volatile parameter storage*

- Two integral Ethernet switches for two networks, ENET1 and ENET2· Advanced Graphics Controller

  - *Enables **Cobalt's** enhanced graphics user interface*

  - *Touch screen capability means the keyboard never has to be used*

  - *Replaces traditional text menu selection with graphical selections*

- Two USB 2.0 ports used to:

  - *Update application software*

  - *Upload or download configuration*

  - *Upload logged data*

- Datakey socket for an optional 3.3V Datakey, 2 through 32MB

- SD Memory Card socket

- CPU Active LED

- Three communications ports standard:

  - *NEMA-ATC SDLC serial port 1*

  - *25 pin serial port 2*

  - *9 pin console serial port*

- Built in speaker for enhanced audio controller feedback

- Integral carrying handle in back of controller

- Power Supply

  - *Meets all requirements of ATC standard 6.34*

  - *External 24VDC protected by a self-resetting electronic fuse*

- Operating system

  - *Linux 2.6.3x or later kernel and Board Support Package (BSP)*

  - *Compliant to ATC Standard V. 6.25 Annex B specifications*

Hardware Options

- Two user interface options:

  - *Advanced Display with graphics and touch-screen (Standard)*

  - *Basic Display with text and textual menus only—no touch or graphics (Option)*

- Two models,

  - *TS2 Type-2 connector*

  - *TS2 Type-1 connector*

- Communications module options:

  - *FSK Module that can be configured for RS232 operation*

  - *2070 TEES 2009 standard 6A, 6B, and 7A plug-in modules*

- Datakey 3.3V, 2 through 32MB