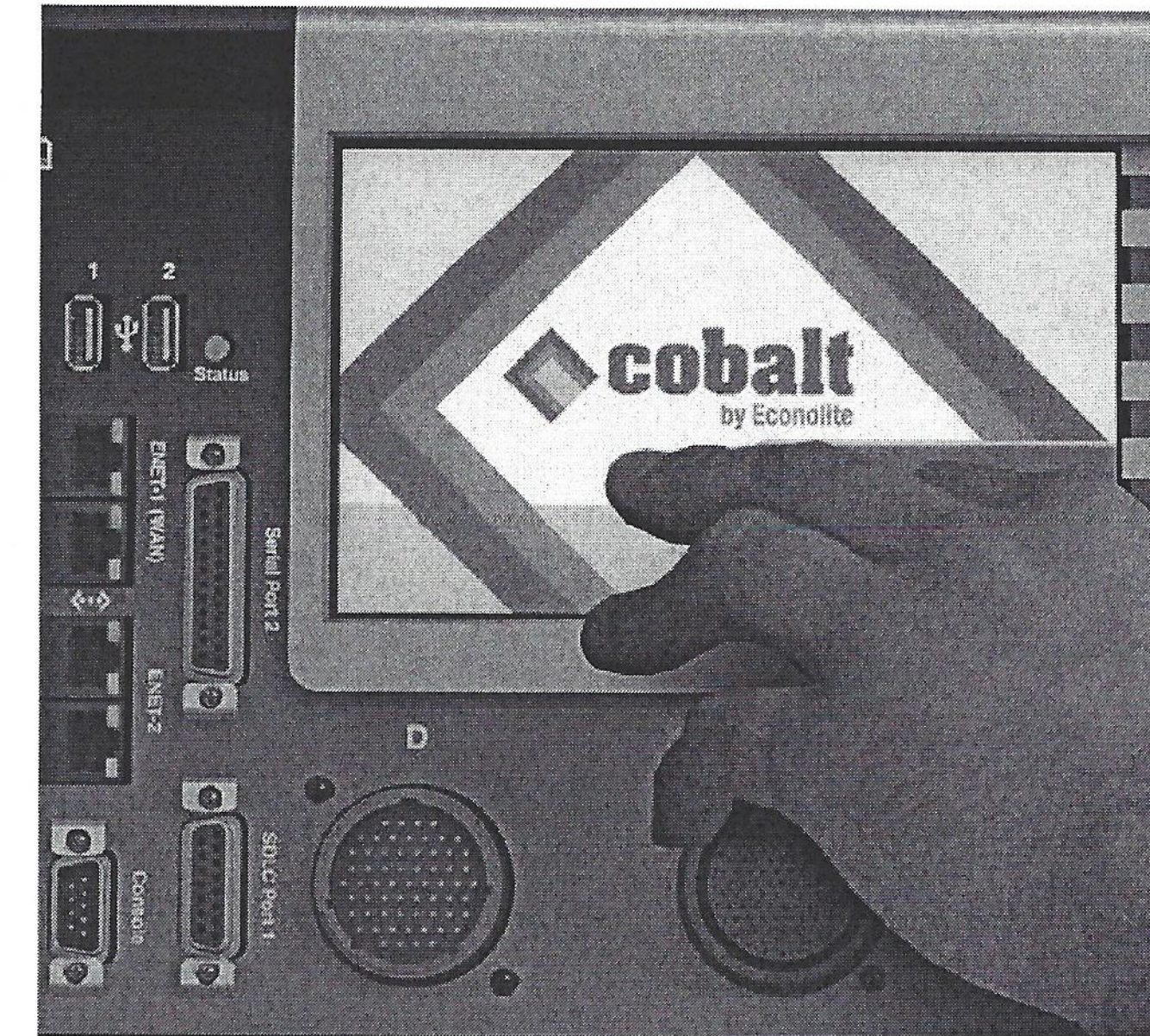


Cobalt ATC Hardware

Cobalt ATC controllers may be configured with Econolite's robust Cobalt Touch application software package, or other pre-qualified ATC/Linux software application software meeting current ATC standards. OS and software upgrades can be made easily by USB memory stick, or SD card.

Cobalt includes a high-power, Linux-based Engine Board that is compliant with the ATC 5.2b and proposed 6.10 standard for a NEMA standard TS2 Type-1 or Type-2 I/O connectors: four Ethernet ports, two USB ports, and an SD Card slot. Additionally, Cobalt's seven-inch color, high brightness TFT LCD module with touch screen capabilities is readable in direct sunlight, can be operated with gloved hands, and is not affected by condensation or water drops.



Hardware Details

- Supports Econolite Linux-based software or other pre-qualified ATC/Linux software
- ATC Engine Board
 - Fully compliant with the ATC Standard version 5.2b and proposed ATC Standard 6.10
 - 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, 8MB
- SD Memory Card socket
 - The SD Card stores configuration and logs and provides automatic backup of configuration
- 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 v6.10.
 - 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. 5.2.b Annex B specifications

Hardware Options

- Two models:
 - TS2 type 2 connectors
 - 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, 8MB