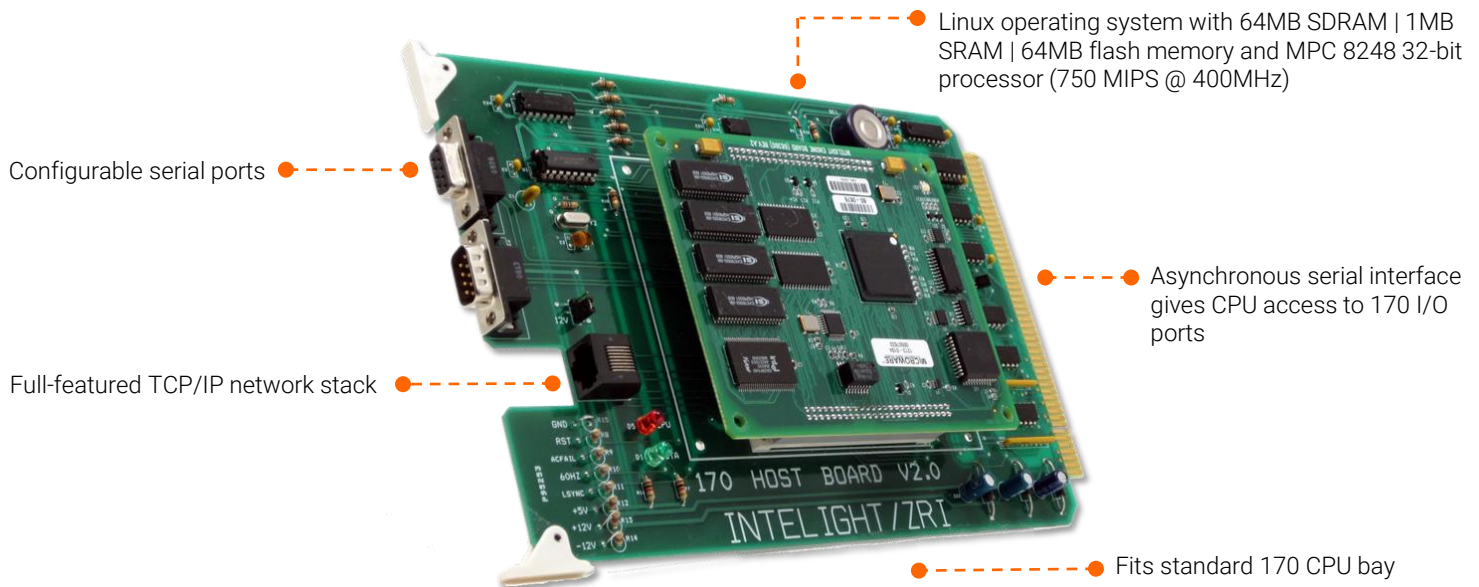


Overview

Intelight's 170 Smart Card provides an easy, cost-effective upgrade path for most Model 170 controllers to the power of the Advanced Transportation Controller (ATC). The 170 Smart Card (developed by Zwiesler Resources, Inc.) hosts a standards-compliant 2070 ATC Engine Board, interfacing with the 170 CPU slot. The 170 Smart Card allows the latest ATC applications, such as Intelight's MaxTime, to run on most 170 controllers. Contact Intelight today to see how the 170 Smart Card can help update your existing controller hardware to 21st century technology.



Highlights

- Cost-effective upgrade solution
- Run ATC software on most 170 controllers
- Linux operating system
- Provides Ethernet communications
- Capable of running multiple independent applications
- Compatible with MaxTime local controller software
- NTCIP standards-based communications agent

Standard Features

- Linux operating system
- Open source U-Boot loader
- Runtime libraries per ATC5.2b (ATC 6.1 latest draft)
- Full support for all required ATC 6.1 software drivers under the latest Linux kernel release v 3.0
- Compatible with the very latest Caltrans QPL approved (TEES 2009) 2070E hardware.
- Compatible with legacy 2070's (TEES 2002 to present)
- Capable of running multiple independent applications
- Board-support tool-chain package with all necessary libraries for 3rd party software development
- Front-mounted Ethernet connection
 - 10Base-T Ethernet controller
 - Full-featured TCP/IP network stack
- Field communication interface
 - Asynchronous serial interface gives CPU access to 170 I/O ports
 - Simplified field I/O message protocol
 - 38,400 bps port speed with 1ms message response time
- Applications software options
 - MaxTime local controller software
 - NTCIP standards-based communications agent
 - ASC traffic control applications
 - Field interface messaging protocol software library available

Robust hardware

- Built with current, industry standard technology
- Environmentally hardened (operating ambient temp from -40C to +80 C)

ATC Engine Board

- Engine board CPU module
- Fully ATC 6.1 (latest draft) hardware and software compliant to latest national ITE/NEMA/AASHTO joint ATC standard
- Motorola PowerPC 8248 400 MHz (750 MIPS) Processor
- 64MB of SDRAM and 64MB of NOR Flash Memory
- 1MB SRAM

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