INTELIGHT
NEVER STAND STILL
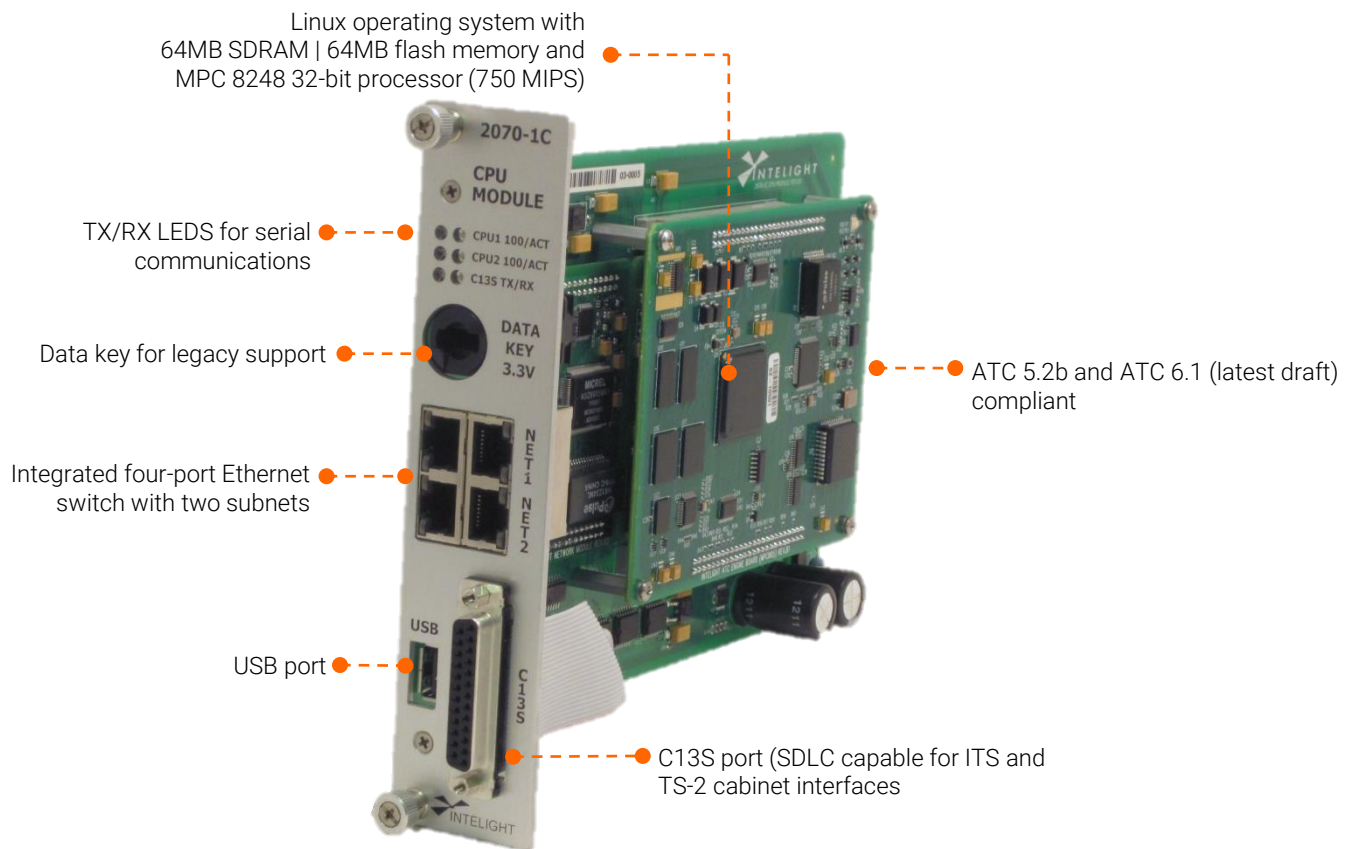
2070-1C
CPU Carrier Board Module

Overview

Intelight's 2070-1C can update your 2070L and 2070E controllers to Intelight's ATC-compliant Linux hardware platform. Upgrading your controller maintains the investment made in the existing infrastructure while taking advantage of the current standards platform and ATC/Linux-based controller software offerings.

Linux operating system with 64MB SDRAM | 64MB flash memory and MPC 8248 32-bit processor (750 MIPS)

TX/RX LEDS for serial communications

Data key for legacy support

Integrated four-port Ethernet switch with two subnets

USB port

ATC 5.2b and ATC 6.1 (latest draft) compliant

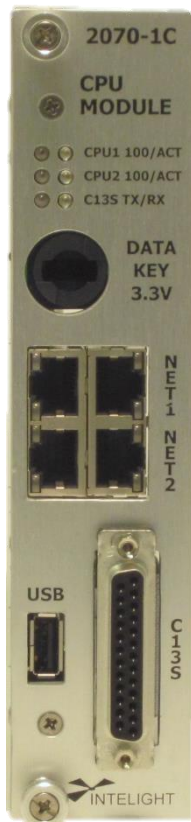C13S port (SDLC capable for ITS and TS-2 cabinet interfaces

Specifications

- Compliant with latest ATC 5.2b, ATC 6.1 (latest draft)
- Compliant with Caltrans 2009 TEES (2070-1C)
- Open Linux O/S architecture for hosting various 2070 software applications
- 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
- Environmentally hardened (operating ambient temperature from -40C to +80 C)

Features

- 2070 slot carrier module with front panel support for
  - 2070 standard 1X module
  - 3.3v DataKey socket
  - 4x RJ45 Ethernet ports
  - TEES compliant D type 25pin C13S port
- Engine Board CPU Module
  - Fully 2070 hardware and software compliant with latest national ITE/NEMA/AASHTO 2070 standard
  - Motorola (Freescale) MPC8248, 32-bit, 400 MHz, PowerPC instruction
  - 64MB of DRAM
  - 64MB of Flash Memory
  - 7 serial ports (SP1-6, SP8)
  - RTC time reference with extended hold up

Traffic Control Products

INTELIGHT

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