

34X / 33X / 170 Style Traffic Signal Controller

Advanced Traffic Controller

Linux Operating System with
64 MB SDRAM | 64 MB Flash Memory and
MPC 8248 32-bit Processor (750 MIPS)



8 Line x 40 Character
Front Panel LCD



2070-3B Front Panel

Tactile Keypads with
Weather Resistant
Membranes

C50 Serial Port (RJ45 or DB9)

OVERVIEW

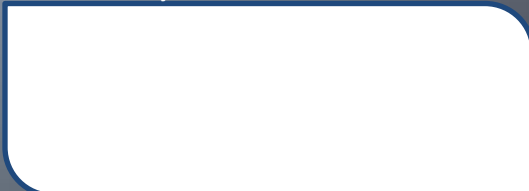
The 2070LC Controller is part of Intelight's industry leading ATC compliant Linux hardware platform. The 2070LC chassis meets and exceeds the current TEES 2009 Specification and includes an ATC compliant 2070-1C CPU Module. The 2070LC can be configured for ITS, 2070, 170, 170E, and NEMA TS-1 or TS-2 cabinet Input/Output Configurations.

PLATFORM

- Compliant with latest ATC 5.2b, ATC 6.1 (latest draft) and Caltrans 2009 TEES (2070-1C) specifications
- 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)



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HARDWARE CONFIGURATIONS

- I/O Module Options
 - 2070-2A Field I/O Module for parallel interface to 170/170E/2070 Cabinets
 - 2070-2N Includes 2070-2N Field I/O Module for serial interface with ITS and NEMA TS-2 Type 1 Cabinets
 - 2070-N Includes 2070-N1 Extensions for TS-1 & TS-2 Type 2 Cabinets
 - 2070-2B Includes 2070-2B Field I/O Module for interface to ITS Cabinets and other RS-485 peripherals
- Power Supply: Heavy Duty Model 2070-4A Power Supply
- Front Panel Options
 - 2070-3B Standard 8 Line x 40 Character LCD display; RJ45 and DB9 Serial Connectors
 - 2070-3D (Must be selected with LDX CPU Module) 16 Line by 40 Character Display; RJ45 Ethernet Port; DB9 Serial Port; 3 Port USB HUB

2070-1C CPU Card

- 2070 Slot Carrier Module with front panel support for
 - 2070 Standard 1X module
 - 3.3v DataKey socket
 - 2x 10/100 RJ45 Ethernet ports w/Activity Lights
 - TEES compliant D type 25pin C12S port
 - Fully Compliant to latest Caltrans TEES 2070 Specifications
 - 1 USB PORT
- Engine Board CPU Module
 - Fully 2070 hardware and software compliant with latest national ITE/NEMA/ASSHTO 2070 standard
 - Motorola (Freescale) MPC8248, 32-bit, 400 MHz, PowerPC Instruction
 - 64 Megabytes of DRAM
 - 64 Megabytes of Flash Memory
 - 7 Serial Ports (SP1-6, SP8)
 - RTC Time Reference with extended hold up

