

2070LDX CONTROLLER

35X/34X/33X/170 STYLE TRAFFIC SIGNAL CONTROLLER



OVERVIEW

The Q-Free 2070LDX Controller is one of the Caltrans/170/33X versions in Q-Free's award-winning X Series of ATC controllers.

The controller meets and exceeds current ATC, Caltrans, and NTCIP standards providing agencies with a robust, industry-leading, open architecture hardware platform.

The 2070LDX runs Linux on a PowerPC motherboard offering speed, performance and multi-thread capabilities for today and the future. The layout of the ports provides front-facing access of the Ethernet ports, USB and serial connections. The 2070LDX includes a large backlit 16x40 LCD screen.

I/O MODULE OPTIONS

- 2070LDX includes 2070-2A/2E/2E field I/O module for parallel interface to 170/170E/2070 cabinets
- 2070LDX-2N includes a field I/O module for serial interface with ITS and NEMA TS 2 type 1 cabinets
- 2070LDX-N includes 2070-N1 extensions for TS 1 & TS 2 type 2 cabinets
- 2070LDX-B includes a field I/O module for interface to ITS cabinets and other RS-485 peripherals

PLATFORM

- Compliant with latest ATC 5.2b, ATC 6.25 and Caltrans 2009 TEES (2070-1C)
- Open Linux OS architecture for hosting various 2070 software applications
- Includes ATC 5401 API as an option
- Runtime libraries per ATC 5.2b (ATC 6.25)
- Full support for all required ATC 6.1 software drivers under the latest Linux kernel release v 3.2
- Heavy-duty model 2070-4A power supply
- Environmentally hardened (operating ambient temperature from -40°C to +80°C)
- 2070-3D 16 line x 40 character LCD display



2070-1C CPU CARD

2070-1X slot carrier module with front panel support for

- 3.3v DataKey socket
- 4x 10/100 RJ45 Ethernet ports with activity and speed LEDs
- TEES compliant D type 25 pin C13S port
- Fully qualified to latest Caltrans TEES 2070 specifications
- 1 USB port

Engine board CPU module

- Fully 2070 hardware and software compliant with latest national ITE/NEMA/AASHTO ATC standard
- Motorola (Freescale) MPC8248, 32-bit, 400 MHz, PowerPC Instruction
- 64MB of DRAM (128MB option)
- 1 MB SRAM (2MB option)
- 64MB of flash memory
- 7 serial ports (SP1-6, SP8)
- RTC time reference