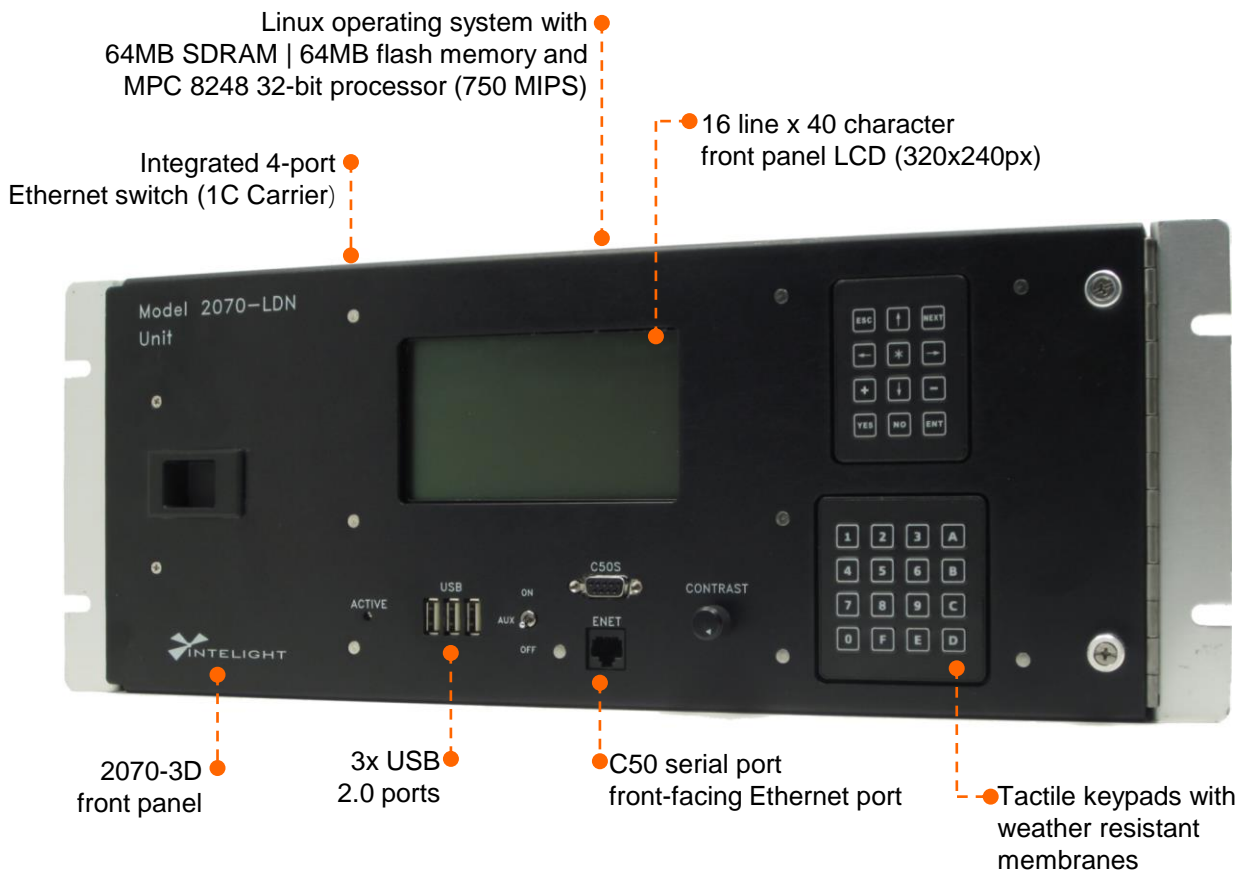


Overview

The 2070LDX controller is part of Intelight's award winning "X-Series" CalTrans/170/33X controller line. The 2070LDX meets and exceeds the current ATC, CalTrans, and NTCIP standards providing agencies with a robust, industry-leading, true open architecture hardware platform. The LDX 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.



Platform

- Compliant with latest ATC 5.2b, ATC 6.1 (latest draft) and 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
- Configurable 170, 170E, 2070, NEMA TS-1, TS-2 type 2 parallel interfaced cabinet applications
- Also configurable for NEMA TS-2 type 1 and ITS serially interfaced cabinets applications
- Heavy-duty model 2070-4A power supply
- Environmentally hardened (operating ambient temperature from -40C to +80 C)



Hardware Configurations

- 2070LDX includes 2070-2A field I/O module for parallel interface to 170/170E/2070 cabinets
- 2070LDX-2N includes 2070-2N 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 2070-2B field I/O module for interface to ITS cabinets and other RS-485 peripherals

2070-1C CPU Card

- 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
 - Fully compliant to latest Caltrans TEES 2070
- 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



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