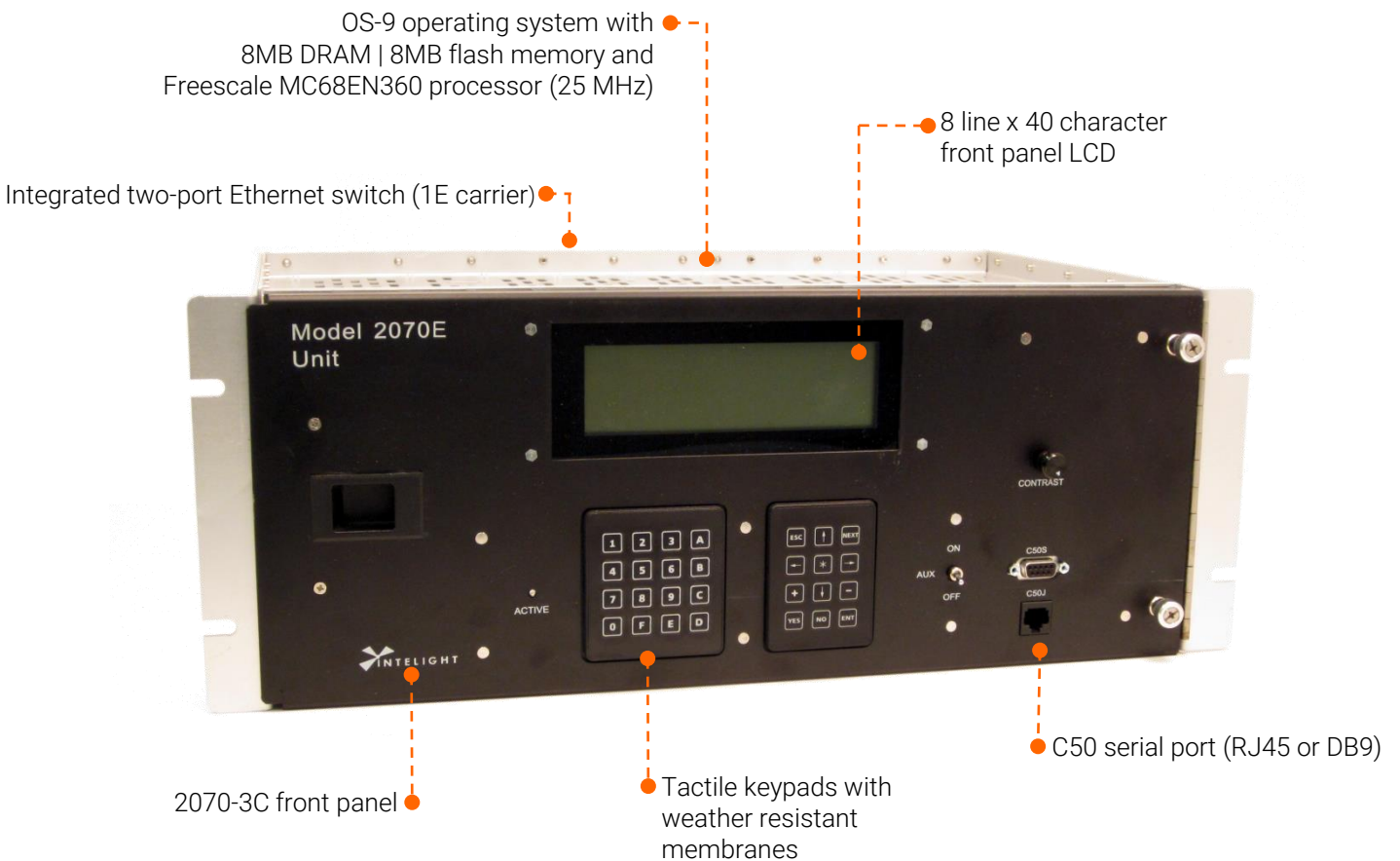


### Overview

The 2070E controller is part of Intelight's complete 2070 series controller line. The 2070E meets and exceeds the current TEES 2009, providing agencies with a robust OS-9 platform with better Ethernet communications management. The 2070E can be configured for ITS, 2070, 170, 170E, and NEMA TS-1 or TS-2 cabinet I/O configurations. When paired with Intelight's 2070-3D front panel, the 2070 E offers a 16 line x 40 character display with a front-mounted Ethernet port. Contact Intelight today to increase the power of your current OS-9 platform.



## Platform

- Meets current Caltrans 2009 TEES 2070
- Open architecture for hosting various 2070 software applications
- 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
- 2X wide model 2070-1E CPU module with engine board based intelligence with integral 4 port Ethernet switch
- OS-9 operating system with TEES compliant drivers
- Heavy-duty model 2070-4A power supply



## Hardware Configurations

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

## 2070-1E CPU Card

- 2070 slot carrier module with front panel support for
  - 2070 standard 1X module
  - Front panel 3.3v DataKey socket
  - Dual RJ45 front panel Ethernet ports
  - TEES compliant D type 25pin C13S port
  - Fully compliant to current Caltrans TEES 2070
- Engine board CPU module
  - Fully 2070 hardware and software compliant with latest national ITE/NEMA/AASHTO 2070 standard
  - Freescale MC68EN360 embedded micro processor – operating @ 25MHz
  - Firmware: OS9 operating system, TEES compliant drivers
  - 7 serial ports (SP1-6, SP8)
  - 8MB of DRAM and 8MB of flash memory
  - 1MB of backed-up SRAM
  - RTC battery backed time reference
  - 4 port IEEE 802.3 100Base-T Ethernet switch

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