

2070 1E CPU MODULE

Part of the Intelight Complete Traffic Framework



2070-1E Module Front Panel View



2070-1E Module Side View

Module Overview

Intelight's 2070-1E is the latest Caltrans TEES compliant CPU module for the 2070 platform. It is also available as part of Intelight's 2070E listed on Caltrans Qualified Products List (QPL)

Intelight 2070-1E Highlights

Package Description

The Intelight 2070-1E Module is comprised of two sub-modules as follows:

1. Engine Board CPU Module
 - Fully 2070 hardware and software compliant to latest national ITE/NEMA/ASSHTO standard
 - Freescale MC68EN360 embedded microprocessor – operating @ 25MHz
 - Firmware: OS-9 Operating System, TEES-compliant Drivers
 - 7 Serial Ports (SP1-6, SP8)
 - 8 Megabytes of DRAM and 8 Megabytes of Flash Memory
 - 1 Megabyte of non-volatile SRAM
 - RTC battery backed Time Reference
 - 4 port IEEE 802.3 100Base-T Ethernet Switch
2. 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 C135 port
 - Fully Compliant to latest Caltrans TEES 2070 Specifications

Standard Features

- OS-9 Operating System Run Time License is included
- Fully TEES Compliant OS-9 Drivers and Interface Firmware
- Compatible with the very latest Caltrans QPL approved (TEES 2009) 2070E hardware.
- Compatible with legacy 2070's (TEES 2002 to present)
- Integrated Ethernet Switch protects main processor from the effects of outside spurious Ethernet traffic
- Two piece Engine Board design protects agency's investment by allowing future upgrade of CPU components without replacing complete module
- Environmentally hardened (Operating ambient temperature from -40C to +80 C)

