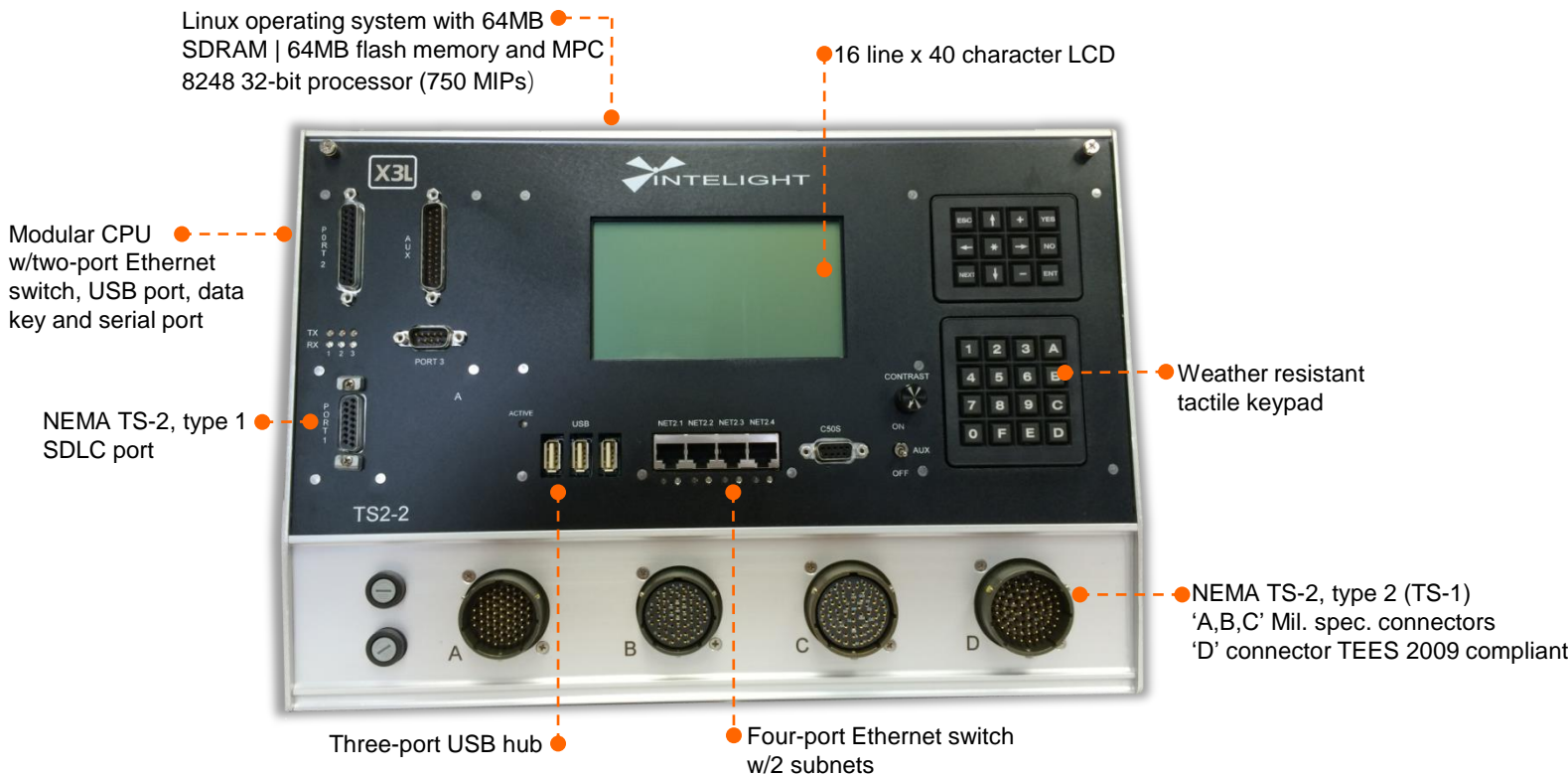


Overview

The X-3L controller is part of Intelight's award-winning X-Series NEMA controller line. The X-3 meets and exceeds the current ATC, NEMA and NTCIP standards providing agencies with a robust, industry-leading, true open architecture hardware platform. The X-3 can help agencies organize and improve operations and reduce the amount of equipment in the signal cabinet. Use the X-3 to manage Ethernet traffic, monitor CCTV or detection camera video, enter cabinet and maintenance logs directly into the controller (syncs with central), and integrate with other products via Android applications, all while running traffic signal operations. Contact Intelight today to see how the X-3 controller can help update your signal operations system to 21st century technology.



Highlights

- Compliant with NEMA TS-2 and ATC 5.2b and 6.2 (latest draft) standards
- Linux v3.2 operating system
- Perform remote software updates without restart
- Supports serial and/or Ethernet communications
- MaxTime local controller software
 - 40 phases, 16 rings, 32 overlaps, 16 preempts
 - Monitor and configure timings wirelessly from a laptop, tablet or smartphone without database editor or third party software
- Built-in master/closed loop functionality
- Peer-to-peer communications
- Transit priority and advanced preemption
- Fast, efficient coordination transition algorithm

Modern platform

- Supported standard specifications:
 - ATC 6.2 (latest draft)
 - API v2.06b (FIO & FP interface)
 - NEMA TS2 with NTCIP (type 1 & type 2)
 - NTCIP – 1202 ASC, 1201, and base standards
- Open architecture
 - Linux operating system
 - ATC API installed
 - On-board NTP server
- Faster processing and more controller memory
 - Motorola PowerPC 8248 32-bit (750 MIPS at 400 MHz) processor
 - (64MB flash/64MB DRAM)
- Two independent network switches
 - Four 10/100 Mbit Ethernet ports on front panel
 - Two 10/100 Mbit Ethernet ports on CPU (side)
- Three-port USB hub + CPU mounted USB
- Six configurable serial ports (5 are SDLC capable)



Android front panel: MaxTime main menu

* Indicates extended/optional feature

Robust hardware

- Built with current industry standard technology
- Compliant with NEMA environmental requirements
 - Temp Range: -40°C to +80°C
 - TS-2 type 1 size: 8 ½”H x 8 ½”D x 14 ¾”L
 - TS-2 type 2 size: 10 ⅜”H x 8 ½”D x 14 ¾”L
 - Variable power supply (95-250 VAC 50/60 Hz auto sensing)

Features and usability

- On-board web server - Monitor and manage traffic signal without the need for additional software



Sample MaxTime status display as viewed from front panel, tablet or smartphone (no app required)

- Eight programmable special function key sequences provide shortcuts to software menus
- USB support
 - Install traffic signal software from flash drive
 - Transfer timing databases via flash drive
 - Configure and monitor timings via Wi-Fi adapter from computer, tablet or smartphone without additional software or database editor
- Live software update
 - Schedule software updates
 - Download update package remotely
 - Perform firmware and operating system updates without placing controller in flash
- Advanced database management
 - Store hundreds of timing databases on controller
 - Change databases safely while controller maintains intersection operation
- On-board web server
 - True controller-hosted web server provides secure remote access without third party software or apps
 - Hosts NTCIP objects via HTTP protocol (capable of enhanced security and lower bandwidth)

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