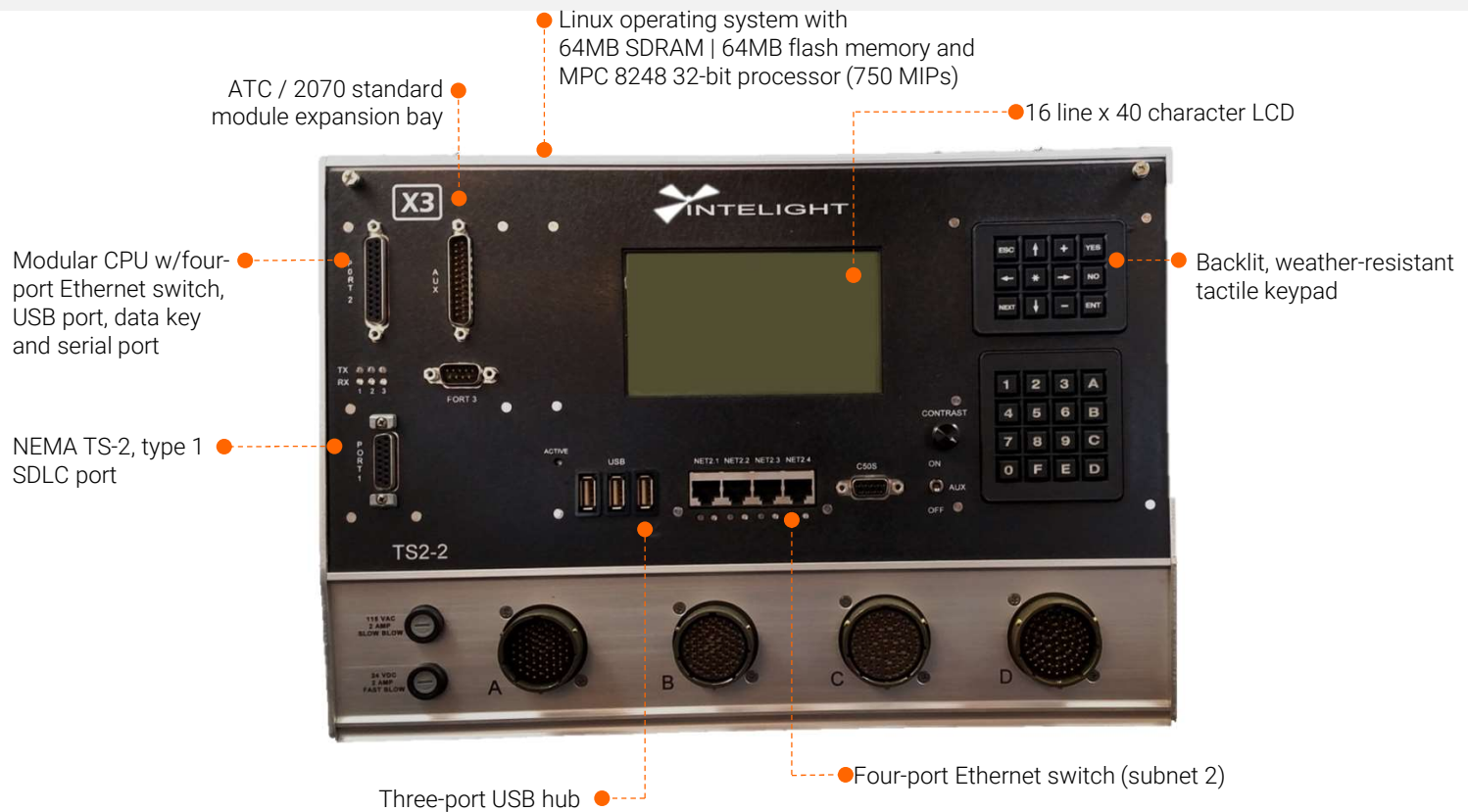


### Overview

The X-3 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. Contact Intelight today to see how the X-3 Controller can help update your signal operations system to 21<sup>st</sup> century technology.

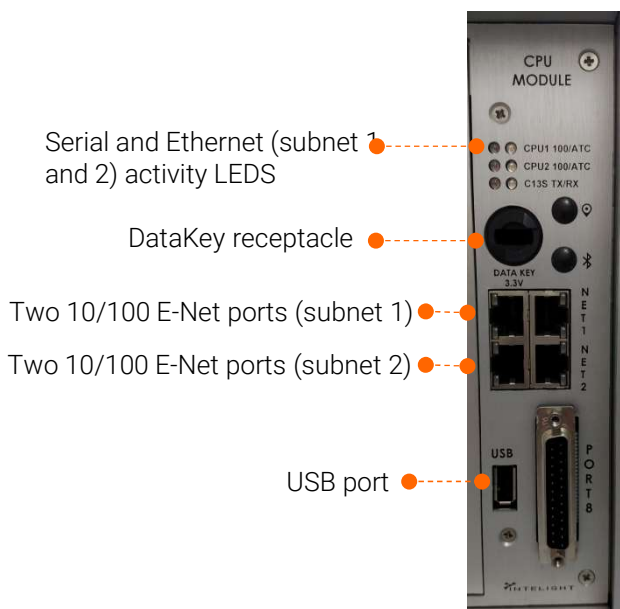


### Highlights

- Compliant with NEMA TS-2 and ATC 5201 and 5401 Standards
- Linux operating system
- Two independent 10/100 Mbit network cards
- TS-1 and/or TS-2 operation (requires type 2)
- Supports serial and/or Ethernet communications
- 2070 hardware expansion bay for device integration
- 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
- Advanced TSP included

## Modern platform

- Supported standard specifications:
  - ATC 5201 (v6.24)
  - ATC 5401 (v2.17) API (FIO & FP interface)
  - NEMA TS2 with NTCIP (type 1 & type 2)
  - NTCIP – 1202 ASC, 1201 and base standards
  - NTCIP – 1210 master control
- Open architecture
  - Linux operating system
- Faster processing and more controller memory
  - Motorola PowerPC 8248 32-bit (750 MIPS at 400 MHz) processor
  - (64MB flash / 64MB DRAM)
- Two independent network adapters
  - 4 10/100 Mbit ports on controller front panel (subnet 2)
  - 4 10/100 Mbit ports on CPU module (see figure below)
- Three-port USB hub (front panel) + CPU USB
- Six config. serial ports (5 are SDLC capable)
- ATC/2070 comm./modem slot
  - Optional 2070-6A/B, 2070-7A/B modules
  - Optional 2070-7T w/GPS time clock module



## 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 ¾”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 home screen as viewed from color front panel, tablet or smartphone (no app required)

- Eight programmable special function key sequences provide shortcuts to software menus
- USB support
  - Install/update traffic signal software
  - 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

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