

Overview

The X-3 ATC Lite controller is part of Intelight's award-winning X-Series NEMA controller line. The X-3 ATC Lite meets and exceeds the current NEMA and NTCIP standards and includes an ATC-compliant engine board and Linux kernel, providing agencies with a cost-effective, robust, industry-leading, true open architecture hardware platform that is capable of running ATC compliant applications. The X-3 ATC Lite 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 ATC Lite controller can help update your signal operations system to 21st century technology.

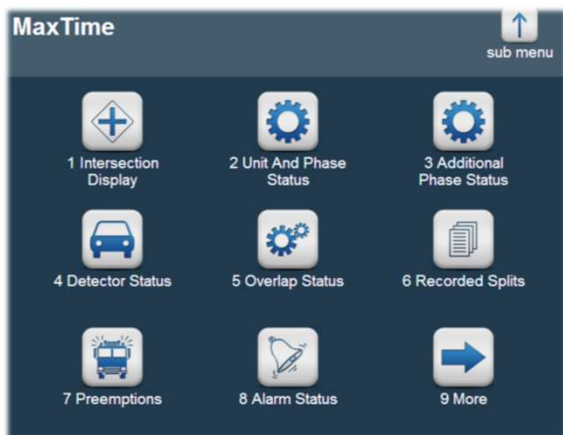


Highlights

- 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 5201 (v6.24) (engine board and CPU only)
 - 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
 - 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
- Ethernet support
 - Four 10/100 Mbit Ethernet ports on front panel
 - One 10/100 Mbit Ethernet ports on CPU (side)
- Three-port USB hub (front panel) + CPU 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 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 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

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