

ATC-1000 Advanced Traffic Controller



The ATC-1000 is the first of the new ATC line of modularly-built, standards-based controllers from Peek Traffic. Designed for ease-of-use and easy adaptability, the ATC-1000 traffic controller features Peek's latest ATC engine board, a full line of communications options including multiple serial ports, multiple Ethernet ports, a USB firmware and memory port, and a range of I/O and D modules.

The ATC-1000 controller uses NTCIP communications natively and is entirely compatible with Peek's IQ Central® traffic management system. Interchangeable I/O modules and D Modules allow the ATC-1000 controller to be utilized in the latest cabinets, but it will also work as a plug-in replacement in older, non-standards-based cabinets that currently house Multisonics, Traconex, LMD 40, LMD 9200 and HMC-1000 controllers, thus providing an upgrade path for older intersection control hardware.



Specifications

Dimensions	14 3/4" Wide x 10 1/2" Deep x 10 1/4" Tall (375mm x 267mm x 261mm)
Weight	9 to 11 pounds (4 to 5 kg) depending on which I/O modules, D modules, and modem are installed
Power Requirements	95 to 135VAC 60Hz ± 3 Hz
Environment	-35°F to + 165°F -37°C to + 74°C (NEMA TS2-2003 specification) 0-95% relative humidity
Memory	16MB Flash memory standard 16MB SDRAM standard 32MB, 64MB SDRAM - optional 1MB SRAM
NTCIP Compliance	Traffic application software is NTCIP software compliant, ensuring easy integration into any NTCIP or ITS traffic control system.
Firmware Updates	Via USB port or via ATC Linkmation

Operating System Linux v2.6.2.0

Communications Connectivity is easily achieved using a variety of communications options:

- 5 serial ports; RS 485 support on one port (jumper selectable)
- Two 10/100 Base-T Ethernet ports
- 3000E compatible modem slot
- Optional 2070 compatible modem slot with full modem control support
- High-speed USB port

Intersection configuration programming interfacing is easily performed in the field, using the provided laptop computer interface software (ATC Link). ATC Link can be connected directly via either an ethernet or a serial cable, or it can be used to store the configuration on a portable USB "flash drive", which can then be downloaded to the device in the field in seconds. Or programming may be downloaded across a network via an NTCIP compliant central system, such as IQ Central.

Available D Modules

- ATC D Module
- Peek 3000E Closed Loop D Module
- LMD 40 D Module
- Traconex D Module
- Multisonics D Module

Available I/O Modules

- NEMA TS2 Type 1
- NEMA TS2 Type 2
- HMC-1000
- LMD 40



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