

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.



980 QUAKER HIGHWAY (146A) ■ UXBRIDGE, MA ■ 01569
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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 | 89 to 135VAC 50/60Hz ± 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 Link Software |

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| Operating System | Linux v2.6.2.0 |
| Communi- cations | Connectivity is easily achieved using a variety of communications options: <ul style="list-style-type: none">● 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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