

Peek ATC-1000 Advanced Traffic Controller

Peek Traffic Corporation

The Peek 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 as well as a USB firmware and memory port. Also, it uses the NTCIP communications natively.



Description

With interchangeable I/O and power modules, the controller can be mounted in the latest cabinets, but can also be used as a plug-in replacement in older, non-standard cabinets, thus providing an upgrade path for older intersection control hardware.

The Peek ATC-1000 controller is easily programmable on site from the front panel, via USB database download or via IQ Link® direct connection or central system, in the same manner as the fully compatible Peek IQ Central® traffic management software.

The ATC-1000 is a totally new and powerful controller that can be used wherever NEMA, NTCIP and ATC compatibility is required.

Specifications

Components

- 300-MHz Freescale Power Quix 2 processor
- Linux operating system with memory management for process isolation
- 16 line x 40 character backlit LCD display
- 32-key soft touch keypad for front panel programming
- Memory:
 - 16 MB Flash memory (standard)
 - 16 MB SDRAM memory (standard)
 - 32 or 64 MB SDRAM memory (optional)
- Communications:
 - 5 serial ports with RS-485 support on one port

- 2 Ethernet 100Base-T ports
- High-speed USB port
- 3000E-compatible modem slot
- 2070-compatible modem slot with full modem flow control support
- Available I/O modules:
 - NEMA TS 2 Type 1
 - NEMA TS 2 Type 2
 - HMC-1000
 - LMD 40
- Available power modules:
 - ATC
 - Peek 3000E closed loop
 - LMD 40
 - Texas
 - Idaho
 - Traconex
 - Multisonics

Functional characteristics

- Compatibility:
 - NTCIP 1201 and 1202 protocols
 - IQ Central
- Interface with existing communications infrastructure:
 - 1200-baud twisted pairs
 - High-speed serial connections (RS-232) up to 115 kbit/s
 - Fibre optic modems
 - Wireless systems
 - LAN/WAN applications
- Automatic recognition of I/O and power modules

Technical characteristics

- Dimensions: 261 mm (H) x 375 mm (W) x 267mm (D) (10 1/4 x 14 3/4 x 10 1/2")
- Weight: 4 to 5 kg (9 to 11 lb)
- Supply voltage: 95-135 VAC, 60 ± 3 Hz
- Operating temperature range: -37 to +74°C (-35 to +165°F)
- Operating relative humidity range: 0-95%.

For more information: 1 800 363-5913

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