

ROADWAY INFORMATION MANAGEMENT

IQ ATC

ADVANCED TRAFFIC CONTROLLER

MODEL 3000-PC-CBD

MODEL 3000-PC-TS2/2

OVERVIEW

The IQ ATC™ from Quixote Traffic Corporation is the next generation in advanced transportation control. It utilizes the latest in advanced embedded technology to provide the reliable and flexible operation required in today's advanced traffic control operations. The IQ ATC's innovative features, such as memory management control, allow for implementation of process isolation to ensure operational integrity. And, it works with IQCentral™.

Using an X86-based hardware platform and Real Time Operating System makes the IQ ATC extremely flexible, allowing for rapid software implementation and modification. Application software upgrades are made extremely easy using the high speed Ethernet port.

With these advanced features housed in a remarkably compact unit, the IQ ATC from Quixote Traffic Corporation sets a new benchmark for performance and versatility.

AVAILABLE MODELS

- ▶ CBD Model available for applications with space limitations
- ▶ NEMA TS2 Type 1 and Type 2 Models available for a wide range of applications

IQ ATC
- CBD Model



IQ ATC - TS2 Model



FEATURES

- ▶ X86-based hardware platform with floating point and 8KB cache
- ▶ QNX Real Time Operating with memory management for process isolation.
- ▶ Compliant with NTCIP 1201, 1202
- ▶ 2070 compatible modem slot with full modem flow control support.
- ▶ 100MHz clock speed
- ▶ LCD display for status and diagnostics
- ▶ High speed USB port (optional)
- ▶ Infrared port (optional)

SPECIFICATIONS

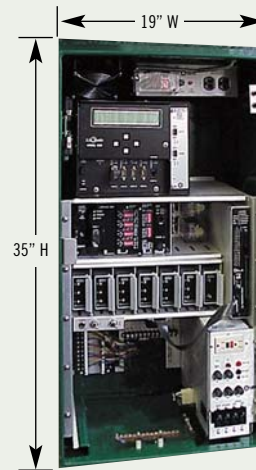
Dimensions:	<ul style="list-style-type: none">▶ 3000-PC-CBD- 8"H x10"Wx10"D (203 x 254 x 254mm)▶ 3000-PC-TS2- 8"H x 13"Wx10"D (203x330x254mm)
Weight:	<ul style="list-style-type: none">▶ 13.2 pounds (6.0 kg)CBD▶ 12.8 pounds (5.8 kg)TS2
Power requirements	<ul style="list-style-type: none">▶ 95 to 135VAC▶ 60Hz ± 3 Hz▶ 25 VA nominal
Enviroment:	<ul style="list-style-type: none">▶ -35°F to + 165°F▶ -37°C to + 74°C▶ 0-95% relative humidity
Memory:	<ul style="list-style-type: none">▶ 8MB Flash memory▶ 32MB SDRAM▶ 256KB SRAM
NTCIP compliant	The traffic application software is NTCIP software compliant ensuring easy integration into any NTCIP or ITS traffic control system. The IQ ATC also interfaces with IQ Central,™ Quixote Traffic Corporation's new central control system. Interfaces to both legacy PEEK & USTC controllers as well as NTCIP compliant devices.

SPECIFICATIONS

- Computer Interfacing
- Intersections configuration is made easy with the available laptop computer interface software, allowing for prior configuration and rapid download in the field. Or, download from an NTCIP compliant central system. Store the configuration on a portable "flash drive" and download in the field in seconds!
- Communications
- Communication connectivity is easily achieved with multiple communication options available.
- ▶ 6 serial ports; SDLC support on 2 ports, RS 485 support on 1 port (jumper selectable)
 - ▶ 10/100 BaseT Ethernet
 - ▶ 2070 compatible modem slot with full modem control support.
 - ▶ High speed USB port (optional)
 - ▶ Infrared port (optional)

These options allows for interfacing to numerous communications infrastructures including:

- ▶ Existing 1200 baud twisted pair
- ▶ High speed serial (RS232) up to 115kbps
- ▶ Fiber-optic modems
- ▶ Wireless systems
- ▶ LAN/WAN applications



3000-PC-CBD installed in ASTC-6 Pole-mounted cabinet (door removed).



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ISO 9001: 2000 Certified Manufacturer



Specifications are subject to change without notice to reflect improvement and upgrades.