COMMANDER™
SHELF MOUNT

CUBIC | Trafficware

COMMANDER NT1

DON'T JUST CONTROL
YOUR INTERSECTION,
COMMAND IT.

COMMANDER™

SHELF MOUNT

COMMANDER™ ATC is Cubic | Trafficware's flagship NEMA and ATC v6 conformant traffic signal controller. Designed with extensive input from our customers, COMMANDER ATC provides thoughtful hardware details that benefit the engineer and technician alike: generous keypad spacing with tactile rubber keys; a bright, sunlight-readable full color touch display; multiple processors for robust and redundant performance; dual carrying handles; multiple Ethernet and USB connectors; recessed screen, memory receptacles, and communications card slot for added protection; all packaged in a compact, robust metal enclosure available in TS 2 Type 1 and Type 2 models. Add to that full conformance to national standards, and it's clear why COMMANDER ATC leads the way.

The innovation doesn't stop with the hardware. COMMANDER ATC provides unparalleled software performance that exceeds the standards with its dual engine board CPUs, increased memory capacity, and dedicated front panel CPU. Paired with SCOUT ATC software, COMMANDER ATC excels in all signal control applications with advanced functionality including complex phasing scenarios, detector processing, coordination, preemption, communications, SynchroGreen adaptive control, transit signal priority (TSP), light rail transit operation, and connected & automated vehicle (CAV) deployments.

FEATURES & CAPABILITIES

DESIGN

Strong, sturdy construction withstands rough handling

Solid, flat top resists drips & condensation and allows items to be placed on top

Sloped front face for greatest viewing angle at a variety of heights

Dual handles designed and placed for comfort

Recessed front panel provides additional protection

Recessed communications module slot provides extra clearance for cable connectors

Non-skid, screw-mounted, wide-temperature rubber feet

KEYPAD

Large, metal dome, widely-spaced rubber keys provide reassuring tactile feedback and are easy to operate with gloves

Keys labeled with both ATC standard functions and Series 980 ATC alternate functions

Dedicated screen brightness control key

ENGINE BOARD

Exceeds ATC 5201 v6.25

Two PowerQUICC II Pro CPUs @ 400 MHz

SPEAKER

Front facing for maximum volume under noisy traffic conditions

Supports tones and full audio

GRAPHICAL USER INTERFACE

Brand new user experience for SCOUT

Menu, editing, and status screens designed for usability and touch

Day and night mode

Centralized message center and alerts

DISPLAY

7" (diagonal), 800 x 480

High brightness, sunlight readable

Resistive touch technology not affected by moisture and usable with gloved fingers

Sealed to front panel and recessed to prevent damage

Full color graphical and 16 line x 40 character monochrome modes

COMMANDER NT2

SPECIFICATIONS

ENGINE BOARD

ATC Standard Conformance:	v6.25
Processor:	PowerQUICC II Pro @ 400 MHz
	Second QUICC port for expansion
DRAM:	128 MB
Flash:	256 MB
SRAM:	2 MB

FRONT PANEL

Display:	7" color, 800 x 480 TFT
Keypad:	29 Keys, 0.8" Spacing

DIMENSIONS (W x D x H)

15" x 6.5" x 8"

PORTS & SOCKETS

SERIAL

NEMA Port 1 (SDLC): EIA-485 (synchronous); SP3; DA-15S; max. 153.6 kbps

NEMA Port 2 (general purpose): EIA-694 (asynchronous); SP8 and modem control signals; DB-25S; max. 614.4 kbps

C50S (console & general purpose): EIA-694 (asynchronous); SP4; DE-9S; max. 115.2 kbps

ATC COMMUNICATIONS MODULE

Slot A2: SP1, SP2, ATC/ITS cabinet control signals, and ENET1; compatible with 2070-6 & 2070-7 series modules and ATC Cabinet Card

REMOVABLE STORAGE

2x SD Card (1x internal, 1x external)

Datakey 3.3 V; max. 32 Mb

ETHERNET

2x ENET1
2x ENET2
1x ENET3 connected to Graphics Processor

USB

2x USB 2.0 Type A

CONFIGURATIONS

MODEL	CONNECTORS	
	NEMA TS 2 TYPE 2 CONNECTORS A/B/C/D	NEMA TS 2 TYPE 1 CONNECTOR A
COMMANDER NT1		●
COMMANDER NT2	●	
COMMANDER NT3		

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