

ATC-1500 Traffic Controller

ATC Traffic Equipment and Software

The ATC-1500 takes all the capabilities of the Oriux ATC-2000 and places them into a shelf mounted format that is compatible with CALTRANS, ATC, and NEMA TS2 Type 1 cabinets.

Emphasizing ease-of-use and easy adaptability, the ATC-1500 features Oriux's latest ATC engine board and a full line of communications options.

This controller uses NTCIP communications and is compatible with Oriux's Spinnaker ATMS, and other NTCIP-supported Advanced Traffic Management Systems (ATMS).

With its powerful processor, wide range of interconnection hardware, and easy-to-perform firmware update capability, the ATC-1500 is a controller that can be relied upon to stay current with the latest ITS demands.

Oriux offers the ATC family of traffic controllers in numerous configurations, all built to meet and exceed the most demanding intersection specifications.



Features & Benefits

The streamlined ATC-1500 packs all the performance of Oriux's full-sized Traffic Controllers in a smaller footprint. The ATC-1500's compact size allows you to maximize cabinet space without sacrificing any features.

The ATC-1500 comes standard with multiple communications options including four Ethernet ports, two High Speed USB ports, an RS485 Port for SDLC and three RS232 Ports for serial communication. Features a 40-character x 16-line Backlit LCD Display with optional heater for freezing climates.

The ATC-1500 is compatible with the ATCC, NEMA TS2 Type 1 and 2070 line of Oriux Traffic Cabinets. The ATC-1500 is available with an optional switch located on the I/O module that allows the unit to switch from a NEMA TS2 Type 1 to an ATCC.

ATC-1500 Specifications



- **Dimensions:** 13.7" W x 10" L x 7" H (34.8 cm x 25.4 cm x 17.8 cm)
- **Weight:** 10 pounds (4.5 kg)
- **Operating Voltage Range:** 89 to 135VAC at 50/ 60Hz $\pm$ 3 Hz
- **Operating Environmental Range:** -40°F to +176°F (-40 °C to +80°C) and relative humidity from 0 to 95%
- **Operating System:** Linux

- The ATC-1500 comes standard with Oriux's GREENWave Intersection Control Application software.
- GREENWave is Oriux's industry leading local intersection application software pre-installed on every Oriux ATC traffic controller, operating in over 30,000 intersections worldwide, providing traffic operators with world class features and functionalities.
- Featuring a powerful Linux-based advanced traffic engine and NTCIP communications protocol, GREENWave is easy to program from the front panel and remotely from one of several NTCIP-based central software systems, including Oriux's Spinnaker ATMS. It also features a web interface for remote access.

Oriux Traffic Control – With its array of advanced traffic control (ATC) equipment and software, Oriux is an industry leader in intersection control products, with over 40 years of experience and product innovation in the field.

The Oriux line-up includes the ATC-1000, ATC-1500, ATC-2000, C5000, SG-1000 MMU2, GREENWave software and Oriux's revolutionary web-based traffic management system, Spinnaker ATMS.

For traffic control products, Oriux has all you need.



Oriux covers a broad range of quality turnkey traffic control products, data recording products, and services. Committed to employing advanced technology to bring innovation in the mobility sector, we create a new global strength. Our human talents maintain quality through continual improvements, providing our customers with the best solutions. Oriux products have helped make motorists around the world safer and travels more pleasant and efficient. This expertise, experience, and breadth of product lines has made Oriux one of the most respected and recognized leaders in the traffic control marketplace. ©2025 Oriux.