ORIUX
Experts in Mobility

C5000
Intersection Control System

The C5000 was built on the success of Oriux's Advanced Traffic Controller, installed in over thirty-thousand intersections worldwide and driven by their renowned software GREENWave, a powerful Linux-based multiprocess traffic application. The C5000 combines a fully NTCIP compliant traffic controller, an integrated MMU fully compliant with FYA monitoring, high density load switches providing up to 32 channels of operation, and much more in a single unit. These devices fit in a standard nineteen-inch rack while being only seventeen inches tall providing agencies with a compact solution ideal for Central Business Districts or downtown areas with limited space. The rack configuration of the C5000 makes it compatible with NEMA or CALTRANS cabinet enclosures. The C5000 also features current monitoring support and is available in 110V and 220V configurations.

The C5000 Intersection Control System is ready for future ITS applications today. The C5000 is designed with the user in mind. It can be programmed remotely or on-site using a PC, Mac, or mobile device, detachable keyboard and display, or from an NTCIP central system. The CPU includes as standard technology a webbased interface accessible by any modern browser making it the most versatile user experience in the industry. It works how you want it to.

Features
& Benefits

- ATC-based CPU Programmable via web interface or detachable display panel
- Standard 19" rack-mounted
- High density load switches provide up to 32 channels of outputs
- Fuses are built into load switches for increased safety
- Compliant with NTCIP communications protocols
- Single display keyboard for controller and safety monitor
- Current and voltage monitoring
- Allows 220V or 110V opto inputs (configurable)
- Reduced real estate, increased capability
- PCB back panel - more consistent & more reliable product
- Supports SDLC based detection
- Rack mounted companion PDSU
- Card based load switches w/ current monitoring and fused outputs for each circuit (R, Y, and G)

The evolution of **PEEK**

Specifications

NTCIP Compliance	Traffic application software is NTCIP compliant ensuring easy integration into any NTCIP Traffic Control System
Operating System	Linux
Size	19" X 17.5" X 10.5" (Dimensions are for Unit only)
Power	89 to 265 VAC 50/60 HZ
Environment	-40°C to +80°C Display
Display	40 Characters, 16 Lines
Memory	16 MB Flash Memory Standard 64 DRAM Standard 1 MB SRAM
Firmware Updates	Via USB port or via ATC Link Software
Communication	2ea 10/100 Base-T Ethernet ports 1 ea High-speed USB Port Optional WIFI Module
Monitoring	Integrated MMU functionality with FYA monitoring per NEMA lettered configurations
Load Switches	4 channels per load switch, up to 8 load switches for a total of 32 channels

At a Glance

- Smaller, smarter, simpler
- ATC-based CPU
- Detachable display and keypad
- Standard 19" rack-mounted
- High density load switches up to 32 phases
- NTCIP GREENWave Intersection
- Control Software with Web Interface
- Voltage and current monitoring