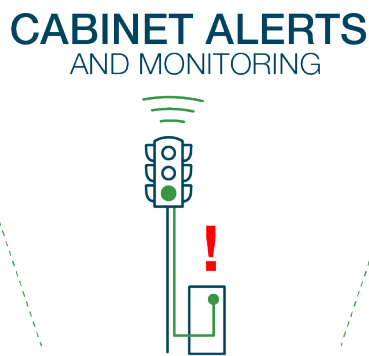




Actionable insights drive safety and efficiency

Opticom™ Signal Core combines GTT's best-in-class priority control with intersection monitoring alerts in a single, open-data application.

Through its modular nature, users may add functionalities such as intersection detection, cabinet monitoring, and more. The results -- performance metrics reports that allow you to improve operational efficiency and safety in your community.



OPTICOM™ SIGNAL CORE

FEATURES

LIVE TELEMETRY VIEWS:
REAL-TIME AND HISTORICAL
SPaT DATA



**OPEN API
DATA ACCESS**

**MODULAR
ADD-ON APPLICATIONS**



OPTICOM™ Signal Core

Opticom Signal Core intersection equipment is intended for use with advanced traffic signal priority control applications.

PHYSICAL DIMENSIONS

Opticom Signal Core

10.5 x 3 x 10 in (266 x 75 x 254 mm)

Weight: 4.9 lb. (2.2 kg)

Power adapter

7.9 x 2.6 x 1.8 in (200 x 65 x 45 mm)

POWER

Power adapter

- Input: 89 to 240 VAC, 47 to 63 Hz uninterrupted (non-GFCI required). Standard NEMA 5-15R or terminal block wiring supported.
- Output: 48 VDC at 135W
- UL and cUL certified

Power consumption

- Max: 83W (includes 3 cameras)
- Typical: 68W (includes 2 cameras)

Hold up

- 5 second hold up for power loss events

OPERATING CONDITIONS

- Temperature: -34°C to +74°C (-29°F to +165°F)
- Humidity: 5% to 95% relative

CERTIFICATIONS

NEMA: Compliant to NEMA TS-2 Environmental Requirements

FCC: FCC Part 15, Subpart B, Class A

PTCRB: PTCRB compliant

MATERIAL COMPOSITION

Core base and lid: Aluminum

Core center structure: PC/ABS (Polycarbonate - ABS)

PROCESSOR

NVIDIA processor

- CPU: Quad-core ARM A57 @ 1.43 GHz
- GPU: 128-core Maxwell

Security Trusted Platform Module

- RSA Key Generation 2048 Bits
- RSA Signature and Encryption
- ECC 256
- AES 128
- SHA 256

MEMORY

- Built-in 240GB solid state

WIRELESS CONNECTIVITY

Cellular

- LTE Cat 4 bands B2, B4, B5, B12, B13, B14, B66, B71

Location services

- GPS, GLONASS

Wi-Fi

- 802.11 a/b/g/n
- Wi-Fi functionality restricted to travel time data capture only

I/O

Ethernet ports

- 1 x 10/100/1000 Ethernet WAN port
- 2 x 10/100/1000 Ethernet LAN ports
- 3 x 10/100/1000 Ethernet LAN ports with PoE (support for 802.3af PoE and 802.3at PoE+ to a maximum of 50W across all three ports)

SDLC port

- 1x SDLC port (proprietary connector, DB15 adapter included)

Serial ports

- 2x EIA RS-232 over RJ45 interface (cable included)

USB port

- 1x USB 2.0 port

General purpose I/O

- 4x +5V open drain I/Os

Priority control I/O

- 8x NEMA compliant I/Os



5-IN-1 ANTENNA

Antenna specs

- 2x MIMO LTE
- 2x MIMO Wi-Fi
- 1x GPS-GLONASS-Beidou

Enclosure

- 8.5 x 3.6 x 1.1 in (216 x 93 x 30 mm)
- Permanent Screw Mount
- IP67 rated

CONTENTS

1x Opticom Signal Core

1x Cable Kit

1x Power Supply

1x Antenna



GLOBAL TRAFFIC
TECHNOLOGIES

For complete warranty information visit gtt.com.

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