

# RAPTOR™

www.iS5com.com

## A Multi-Service Communications Platform Designed for OT Networks

### RAPTOR™ SERIES



- **Single Platform – Multifunctional**
- **Simplified GUI – Easy to Use**
- **Highly Secure – Secure Boot**
- **NERC Compliant – Security from the Ground Up**

## INTRODUCTION

Raptor™ is an innovative, easy to use, multi-service communications platform designed to meet and exceed the demands of the most challenging Operational Technology (OT) networking applications. Its innovative design rivals and surpasses other existing networking products on the market. The unique design was developed with the user in mind, and offers a networking platform that provides flexibility, scalability, high performance, and a trouble-free secure operation.

Raptor™ encapsulates iS5Com's vision to innovate products that are flexible, and easy to use in critical infrastructure protection applications. The multi-service platform allows the user to connect various plug-in modules to meet their functional requirements. The hot-swappable power supplies are load sharing reducing power consumption, hence improving the operational life of the product. Raptor™ is designed to scale with your network needs.

**iS5 COMMUNICATIONS**

**SERVICES • SUPPORT • SECURITY • SOLUTIONS • SYSTEMS**

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## KEY FEATURES

- Layer 2/Layer 3 functionality;
- Advanced Security features (IPSEC, VPN, DPI, etc.);
- Designed to meet and exceed IEC 61850-3 Ed. 2, IEEE 1613, IEC 61000-6-2;
- IEEE 1588 V2;
- Built-in timing module (PTP/NTP, IRIG-B, GPS);
- NERC CIP compliance;
- 10Gb Security/protocol acceleration engine;
- Secure boot (Unique to RAPTOR™);
- Simplified GUI;
- Common look and feel between platforms;
- 128Gb Switching fabric;
- -40°C to +85°C Operating temperature, NO FANS!!;
- Built-in LCD display;
- Patent pending technology;
- Dual hot-swappable load sharing power supplies: Full range;
- Supports up to 32 ports 10/100/1000 Base (Tx), or 100/1000 Base (X);
- Support for 4 x 1000/10G or 2 x 20G SFP/SFP+ ports;
- Supports up to 4 ports PoE from the internal power supply;
- 19" rack mount;
- DIN/Panel mount (future).

## RAPTOR™



Front or Rear Mount



DIN/PANEL Mount

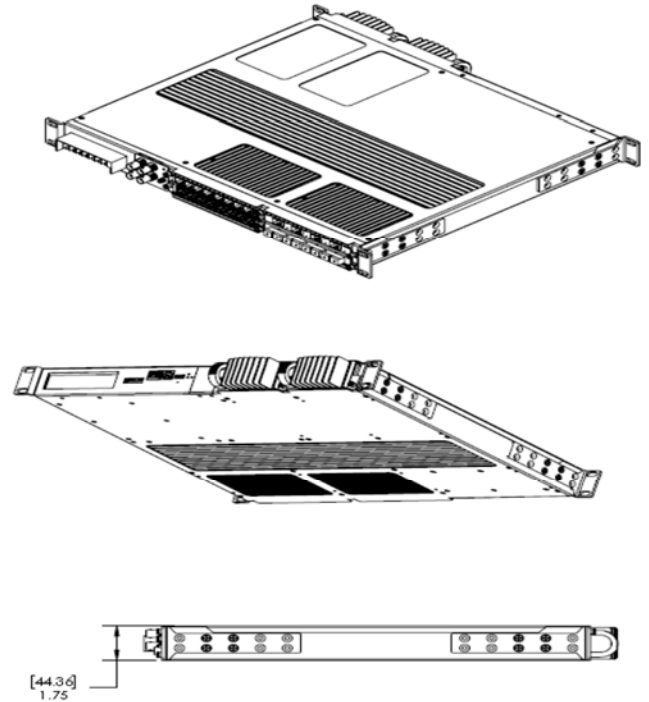
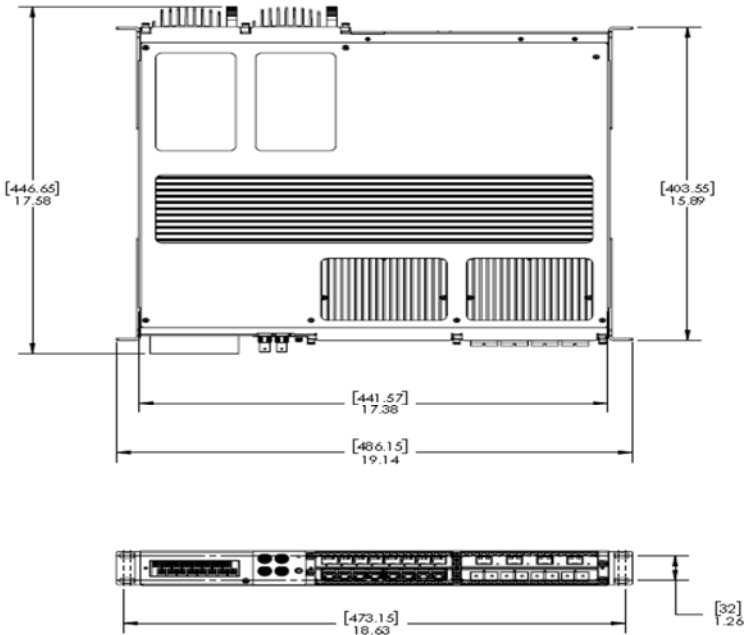


Hot Swap Power Supplies, LED Display



# Dimensions

Inches [mm]



# Application



### APP Module

- > SpyGoose Software IDS
- > Supports GOOSE, MODBUS, DNP3, IEC 101/104
- > Windows/Linux support

Ease of Use



User



### Wireless Module

- > Cellular LTE 3G/4G
- > Secure VPN
- > WiFi

### Authentication Server (AAA)

- > User Authentication
- > Authorization - Privilege
- > Authentication Logging

Cyber Security built in from the ground up!



### NERC CIP Enabler

- > SCADA Firewall
- > APA/DPI/LDAP/ACL
- > Secure BOOT

### PoE Module

- > Surveillance Cameras
- > Perimeter Watchdog



### HSR/PRP Module

- > Real time redundancy protocol



### Sensors Data

- > Real-time - Detect & Record

### Station Bus IEC 61850-8-1



### Process Bus IEC 61850-9-2





**Thank you**  
**Please contact our office for more**  
**information**

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