

INTERCEPTOR™ Product Line



The INTERCEPTOR™ Optical Network Security System is the industry's most advanced and flexible device for use in alarmed Protected Distribution Systems (PDS).

INTERCEPTOR Models



INTERCEPTOR™ monitors two or more dark (spare, unused) fibers within the cables carrying the secure traffic. INTERCEPTOR supports standard single-mode or multi-mode fiber optic cables and can be used to secure existing fiber optic cables. Using patented hub and spoke technology, a single INTERCEPTOR utilizing just one rack space can monitor up to eight continuous optical circuits (zones), providing protection for multiple remote buildings or many dozens of user drops per zone in a facility.



INTERCEPTOR+Plus™ monitors two or more active (live, data transmitting) or dark (spare, unused) fibers within the cables carrying the secure traffic. When monitoring active fibers, the INTERCEPTOR+Plus can only be used for point-to-point applications. A Remote Termination Unit (RTU) is required for each pair of fibers being monitored. INTERCEPTOR+Plus has an integrated optical shutter capable of interrupting the data path on the monitored fibers when an intrusion attempt is detected, making it ideal for protecting critical fiber circuits.

When monitoring dark fibers (single-mode or multi-mode), the INTERCEPTOR+Plus can be used in a hub and spoke arrangement like the INTERCEPTOR model.

INTERCEPTOR and INTERCEPTOR+Plus are available with front or rear optical connection capability, as well as a fixed or replaceable power supply. Multimode INTERCEPTORs have the ability to be configured with desensitized lead in cable (DLC)

Remote Termination Units (RTU)



INTERCEPTOR™ Micro and Rack Mounted Remote Termination Units are used in combination with an INTERCEPTOR+Plus™ to monitor active fibers in optical cables. The Micro-RTU's compact size (1 x 2 x 4 inches) enables convenient mounting in a variety of applications, for example inside a zone box, patch panel, connector module housing or within a secure enclosure. The Micro-RTU supports one (1) INTERCEPTOR+Plus monitoring port. The Rack Mounted RTU supports up to four (4) INTERCEPTOR+Plus monitoring ports in a single rack unit space.

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Alarm Reporting Devices



Remote Alarm Unit (RAU) provides an audible and visual indication that the INTERCEPTOR is in an alarm condition. Connects to the contact closures incorporated in the INTERCEPTOR.

Accessories



Replaceable Power Supply is available as an optional feature on any INTERCEPTOR unit. This accessory plugs into the INTERCEPTOR chassis to enable quick and easy replacement without removing the INTERCEPTOR from the rack.

INTERCEPTOR Specifications

Electrical

Power Input 100/240V, 250mA
60/50Hz IEC
C14 3-Position Connector

Environmental

Operating Temperature 0°C - 45°C
Storage Temperature -10°C - 50°C
Operating Humidity 20% - 80% Non-Condensing

Physical

1U high, 19" Rack Mountable
H x W x D: 45 x 432 x 368 mm
H x W x D: 1.75 x 17.0 x 14.5 inches
Weight 6.4 kg (14 lbs)

Local Management

Channel LED indicators, Channel Reset Buttons

Remote Management

RS232 Serial: Console Access
TACACS+ Compatible
10/100BaseT Ethernet: SSHv2, Telnet,
SNMPv2c, SNMPv3

Alarm Management

SNMPv2c, SNMPv3, Syslog,
Self-Test Heartbeat LED Indicator
Email, SMS alerts
NO/NC Contacts

Optical

1, 2, 4 or 8 Ports (multimode)
1, 2 or 4 Ports (single-mode)
SC UPC Non-Angled Duplex Connectors
Dynamic range: multimode 50dB
Dynamic range: single-mode 55dB
Note: Designed for 3dB Excess/Safety
Lead-in fiber multimode: Sensitive or Desensitized
Lead-in fiber single-mode: Sensitive

Optional Features

Front or rear connections available
Replaceable Power Supply
Connector type other than
SC-UPC available

Industry Certifications & Safety

The INTERCEPTOR is UL, FCC Part 15,
IEC Class 1, CDRH Class 1, and CE rated
& certified

Extended Warranty

NIS offers multi-year support plans to ensure optimal performance of your INTERCEPTOR installation. Contact us for details and pricing.

*For specifications on all other products,
please refer to our website.*