



INTERCEPTOR^{NX}™ is the next generation of the industry-leading INTERCEPTOR Optical Intrusion Detection System designed to make installation, maintenance, and operation easier than ever. INTERCEPTOR^{NX} monitors two or more dark (spare, unused) fibers within a cable carrying classified information. INTERCEPTOR supports standard single-mode and multimode fiber optic cables and can be used to secure existing network infrastructure. Using patented hub and spoke technology, a single INTERCEPTOR utilizing 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.

NIS offers bundled solutions consisting of INTERCEPTOR^{NX} and the INSIGHT™ Alarm Response and Management System, or INTERLINK™ Event Management System, software applications that provides NIS monitoring devices with the capability to centrally manage alarms, create PDS Standard Operating Procedures (SOPs), eliminate false alarms and automatically guide user responses to alarms and more.

INTERCEPTOR^{NX} Technical Specifications

ELECTRICAL

Power Input	100/240V AC, 60/50 Hz
Power Supply	Single or Dual Internal, Replaceable
Power Supply Connector	IEC C14 3-position
Operating Power	15 Watts
Maximum Power	17 Watts
Power Factor	0.5
Heat Dissipation Normal	52 Btu
Heat Dissipation Maximum	58 Btu

ENVIRONMENTAL

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

PHYSICAL

Installation	19" Rack Mount (1RU)
Dimensions (in)	1.75 x 17.0 x 14.5
Dimensions (mm)	45 x 432 x 368
Weight (lbs)	15
Weight (kg)	6.8

LOCAL MANAGEMENT

Combined Channel Status Indicator/Reset Button per channel

REMOTE MANAGEMENT

Console Port	RS-232 Serial
Network (Ethernet SFP)	1000Base-T SFP module included
Protocols	TACACS+, SSHv2, Telnet, SNMPv2c, SNMPv3

ALARM MANAGEMENT

Protocols	SNMPv2c, SNMPv3, Syslog, Email, SMS
Physical	NO/NC Contacts

OPTICAL SPECIFICATIONS

Optical Connection	LC Duplex
Ports (single-mode)	2 or 4
Ports (multimode)	2, 4 or 8
Dynamic Range (single-mode)	55dB
Dynamic Range (multimode)	50dB

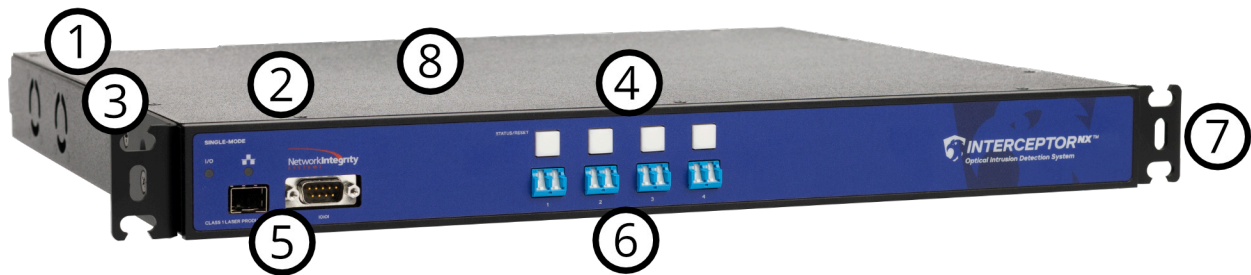
INDUSTRY CERTIFICATIONS

UL, FCC Part 15, IEC Class 1, CDRH Class 1
CE Rated and Certified

**Multimode INTERCEPTORS can use a desensitized single-mode lead-in fiber with Multimode sensor fiber. Single-mode INTERCEPTORS are sensitive beginning at the port connection*

For specifications on all other products and extended warranty and support plans, please refer to our website at www.networkintegritysystems.com

Introducing INTERCEPTOR^{NX}



INTERCEPTOR^{NX} is the next generation of INTERCEPTOR designed to make installation, maintenance, and operation easier than ever. We've introduced several changes to improve installation, operation, and maintenance of the system, including:

- 1. Dual Power Supply option:** NIS now offers single, or dual power supply options, selectable at time of purchase. Note that a single power supply INTERCEPTOR^{NX} would have to be returned to NIS to be upgraded to a dual power supply system.
- 2. Clean Sweep™ System Erase Chip:** Should the system ever need to be removed from a secure location (warranty repair, device replacement, etc.), there is a Media Encryption Key (MEK) chip that can be removed from its socket, performing a Cryptographic Erase rendering all configuration and other data on the device immediately and forever, unusable. A Certificate of Volatility can be provided by NIS when necessary.
- 3. Factory Reset Button:** If you're ever in a situation where a reset to factory defaults is necessary, we have installed a reset button that can be accessed in the field. This allows a factory reset to be performed when console access is not available.
- 4. Reset Buttons over Ports:** LED reset buttons are standard on all INTERCEPTOR^{NX} models, with the buttons now positioned above the ports, making port status more visible and intuitive – even from across the room.
- 5. Standard SFP Network Connectivity:** SFP Ethernet connectivity is now standard across the line, and each unit ships with a TAA compliant 1000base-T SFP included.
- 6. Standard LC Connections with Shuttered Adapters:** LC optical ports are now standard across the product line. The new internal shutter on the LC adapters keeps dust out and improves laser safety while eliminating the need for dust caps.
- 7. Easy rack mounting:** The mounting brackets have been improved to allow the screws to be placed in the rack prior to mounting. Therefore, you won't need to balance the device in the rack while installing mounting screws.
- 8. New Processor:** NIS built INTERCEPTOR^{NX} with an all-new processor platform that has the processing power required for future improvements.

When running 2.9.x firmware, INTERCEPTOR^{NX} operates seamlessly in existing INTERCEPTOR installations.