

Ixia Application and Threat Intelligence Processor



Application Intelligence for NTO Systems

The Application and Threat Intelligence (ATI) Processor delivers real-time application data to monitoring tools so that IT professionals are empowered to make better decisions with better data. It provides rich data on behavior and location of users and applications. This allows IT teams to identify unknown network applications, mitigate network security threats from suspicious applications and locations, and spot trends in application usage to predict and forestall congestion.

This product solves one of the biggest challenges facing network administrators – complete network visibility that extends past layer 4 information. Many applications today run over HTTP within your network or cloud infrastructure, and thus can be obscured. The ATI Processor has patent pending ability to dynamically detect new applications without signatures. It also provides granular application behavior, user geo-location, mobile device identifier and browser information.

Encrypted tunnels are an emerging threat that can carry all sorts of attacks. The ATI Processor has been updated with bidirectional SSL decryption capability to expose these hidden network threats. With this capability, the ATI Processor makes it easier and quicker for tools downstream to process information. Full application classification and forwarding with zero impact on original encrypted traffic is supported. NetFlow export of the information is also supported.

The Ixia ATI Processor is a 48 x 10GbE Net Tool Optimizer with integrated advanced application intelligence capability including integrated deep packet inspection (DPI) and NetFlow generation. It's available in two models. The first is the Ixia Net Tool Optimizer (NTO) 6212 network packet broker (NPB) which is a standalone version of the ATI Processor using a compact 1 RU chassis with dual AC or DC power supplies. A second option is to install the ATI Processor card into the larger NTO 7300 chassis where it can be used with any combination of ports and other modules available in the NTO 7300 chassis. The NTO 7300 and Ixia's Visibility Architecture provide the most scalable, application-aware network visibility framework in the industry.

The application intelligence feature can be enabled from within the NTO control panel GUI by a simple drag and drop operation. A web-based RESTful interface is also supported.

Key Features

- Provides dynamic and signature-based application detection, filtering and monitoring
- SSL decryption capability with stateful decrypted output
- Combines traditional NTO capabilities with application awareness and context
- Enables tracking of applications by bandwidth, session, and geography
- Supports generation of NetFlow v9 and 10 and IPFIX data and supports up to 10 NetFlow collectors
- Delivers frequent updates via ATI subscription
- Hitless upgrades
- Compact and High Density form factor options with AC or DC power



General Specifications

Performance

- 48 ports of 10GbE/1GbE SFP+
- All ports are bidirectional and fully non-blocking
- Full line rate across all ports with filtering enabled
- Extensive packet filtering capability
- Supported encryption ciphers
 - 3DES
 - RC4
 - AES
 - SHA1/521/384/256/224
 - MD5

Management

- SNMP v1, v2, v3 support
- Local, RADIUS, and TACACS+ support (members and groups)
- Granular access control features
- Event monitoring & logging
- Syslog
- IT Automation control with web-based API

Physical Specifications

ATI Processor Size and Weight

- 1U high interface card for 19" chassis
- Dimensions: 17.5W x 15L x 1.75H (inches)
- Weight: 17.0lb (7.7 kg)

1 RU ATI Processor Size and Weight

- 1U high 19" rack mounted interface card
- Dimensions: 17.5W x 28.5L x 1.75H (inches)
- Weight (chassis + ATI Proc.): 33.7lb (7.7 kg)

Power for NTO 7300 Option (DC)

- Operating input voltage: -40 to -60 VDC
- Nominal current: 4.15A @ -53 VDC, 220 W
- Maximum operating input current: 5.5A @ 40 VDC, 220 W max
- Heat/power dissipation for module at 100% traffic load: maximum 220 W / 751 BTU/hour

Power for NTO 6212 Option (AC)

- Dual AC power supplies
- Operating input voltage: 100 to 200 VAC
- Nom. current: 2.5A @ 100 VAC, 1A @ 240 VAC
- Max. operating input current: 2.5A @ 100 VAC
- Heat/power dissipation for module at 100% traffic load: maximum 220 W / 751 BTU/hour

Operating Specifications

Environmental

- Temperature
 - Operating: 5°C to 40°C
 - Short-term*: -5°C to 55°C (*not to exceed 96 consecutive hours)
 - Short-term* with fan failure: -5°C to 40°C (*not to exceed 96 consecutive hours)
- Humidity
 - Operating: 5% to 85%, (non-condensing)
 - Short-term*: 5% to 90% (non-condensing, *not to exceed 96 hours)

Ordering Information

Part Number	Description
SYS-6212-ATP	NTO 6212 - a 1 RU Net Tool Optimizer with integrated Application and Threat Intelligence Processor and 48 SFP+ ports. Port operation requires activation license. ATI Processor Application requires ATIP subscription and port license activation.
LIC-P6212-X24D	6212 Series - 10G SFP+ Ports - Quantity 24 (transceivers not included)
LIC-P6212-X48D	6212 Series - 10G SFP+ Ports - Quantity 48 (transceivers not included)
MOD-7211-ATP	7300 Series - Single (1) 48-port Application and Threat Intelligence Processor interface module - supports up to 48 10G SFP/SFP+ ports. Requires activation license for ports and license for ATI Processor application and updates.
LIC-P7300-X48D	7300 Series - 1G/10G SFP+ Ports - quantity 48 (transceivers not included)
LIC-7300-ATI	7300 Series and 6212 Series - ATI (Application and Threat Intelligence) Processor One-Year License. Enables application usage and software updates. Does not enable ports. Application will not function without a valid license installed.

For more information see <http://www.ixiacom.com/>

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