IXIA APPLICATION AND THREAT INTELLIGENCE PROCESSOR

DATA SHEET

Networks are the most complex and most critical asset to most enterprises today. Organizations urgently need a solution to one of the biggest challenges facing network administrators – complete network visibility that extends past Layer 4 information. For example, many applications today run over HTTP or HTTPS within network or cloud infrastructures, and thus can be obscured. You need application intelligence that serves your monitoring tools the right information at the right time.

APPLICATION INTELLIGENCE FOR NTO SYSTEMS

Ixia's Application and Threat Intelligence (ATI) Processor has patent-pending ability to dynamically detect new and unknown applications. It also provides granular application behavior, user geo-location, mobile device identifier, and browser information. It delivers real-time application data to monitoring tools so that IT professionals to:

- Identify unknown network applications

- Mitigate network security threats from suspicious applications and locations

- Spot trends in application usage to predict and forestall congestion

- Exclude noncritical applications (such as Netflix) when forwarding to an intrusion detection system (IDS) or other tools, optimizing tool processing and delaying the need to upgrade or purchase new gear

To expose hidden attacks, the ATI Processor includes bidirectional SSL decryption capability, which makes it easier and quicker for tools downstream to process information. It supports full application classification and forwarding with zero-impact on original encrypted traffic, as well as enhanced NetFlow export of the information. To support compliance requirements, the ATI Processor can automatically overwrite sensitive information such as credit card, taxpayer ID, and phone numbers via a point-and-click user interface.

HIGHLIGHTS

- Puts IT in control by exposing previously unknown applications running on your network

- Delays monitoring tool upgrades/purchases by pre-processing data sent to them

- Extents the value and ROI of your Net Tool Optimizer products with advanced application awareness and context

- Saves time with graphical views of applications by bandwidth, session, and geography

- Simplifies use and sharing of information with exports of NetFlow v9 and v10 and IPFIX data, and supports up to 10 NetFlow collectors

- Keeps your system current with frequent updates via ATI subscription

- Adheres to compliance requirements with data masking

- Fits your power and space needs with compact and high density form factor options and AC or DC power options

The ATI Processor is a high-performance module that provides application-level visibility such as SSL decryption, application filtering, integrated deep packet inspection (DPI) and enhanced Netflow generation. It is available in multiple platforms, including the Vision ONE network packet broker (NPB). It is also available in the NTO 7300 chassis, where it can be used with any combination of ports and other modules available in the NTO 7300 chassis. Ixia's Visibility Architecture provides 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.

Ixia's ATI Processor features easy-to-use graphical displays

KEY FEATURES

- Provides dynamic and signature-based application detection, filtering, and monitoring

- SSL decryption capability with stateful 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 v10 and IPFIX data, and supports up to 10 NetFlow collectors

- Delivers frequent updates via ATI subscription

- Data Masking for compliance support

- Compact and High Density form factor options with AC or DC power

SPECIFICATIONS

GENERAL SPECIFICATIONS

Performance

- 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
  - RSA and Diffie-Helman Key Exchange

Management

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

PHYSICAL SPECIFICATIONS

Vision ONE

Please refer to the Ixia Vision ONE data sheet for complete information

NTO 7300 Line Module with ATIP (MOD-7211-ATP)

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

NTO 6212 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 -60VDC
- Nominal current: 4.15A @ -53VDC, 220W
- Maximum operating input current: 5.5A @ 40VDC, 220W max
- Heat/power dissipation for module at 100% traffic load: maximum 220W / 751 BTU/hour

Power for NTO 6212 Option (AC)

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

OPERATING SPECIFICATIONS

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.
SYS-V-ONE-24x1G-AC	**Vision ONE System** with fixed (48) 1G/10G SFP/SFP+ ports, fixed (4) QSFP+ ports, built-in 160G packet processor engine, built-in ATIP engine and (1) blank rear expansion slot. INCLUDES activation license for (24) SFP ports for 1Gbps operation. NOTE: Additional licenses available from Ixia for activation of AFM engine, ATIP engine and remaining ports. Please refer to the Ixia Vision ONE data sheet for more complete details and ordering options.
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-7300-ATI	**Vision ONE / 6000 / NTO 7000 Series -** ATI (Application and Threat Intelligence) Processor one-year Subscription License. Enables application usage and software updates. Does not enable ports. Application will not function without a valid license installed.
SUB-ATIP-RENEWAL	**NTO (Net Tool Optimizer) ATI (Application and Threat Intelligence)** Processor renewd one-year Subscription License. Enables application usage and software updates. Does not enable ports. Application will not function without a valid license installed.

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