Tofino™ Secure Asset Management LSM

Tracks and identifies network devices

Quickly and safely identify network devices and define traffic rules

Before you can protect a control system, you need to know exactly what devices are on the network and how they communicate with each other. This may seem obvious, but on today's complex systems, getting complete and accurate information about the installed devices and protocols can consume a huge amount of effort without the right tools.

Like radar, Tofino's Secure Asset Management (SAM) Loadable Security Module (LSM) tracks every device that communicates through your Tofino Security Appliance. However, it does it without using traditional scanning techniques that cause process disruption.

Tofino SAM identifies devices so you can easily create traffic rules using definitions from the Tofino CMP's database. If you need to modify traffic rules during testing, Tofino SAM's rule wizard guides you using data gathered from Tofino's security alerts.

After commissioning, Tofino SAM provides ongoing protection by alerting you when new devices (like laptops) are connected to the control or SCADA network.

Saves you money through:

- Increased reliability due to improved security
- Simplified regulatory and security standards compliance
- Reduced time and effort to get up-to-date inventory lists
- Lower engineering and IT costs due to ease of firewall rule creation
- Reduced commissioning time

Unique capabilities:

- Locates network devices without any process disruption using Passive Asset Discovery
- Identifies equipment and suggests firewall rules using a built-in control device database
- Guides the creation of firewall rules using 'blocked traffic' reports and the Assisted Rule Generation wizard
- Reports newly-discovered assets as security alerts
- Provides current and detailed inventory lists

Typical applications:

- Tofino installation, deployment and testing
- ISA-99 and NERC compliance via asset inventory lists and continuous monitoring
- Detection of non-approved devices on the control network

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Asset discovery	Completely passive - no network probing or scanning is performed, so there is no risk of process disruption
Asset classification	Automatically matches discovered assets against product types in the Tofino Central Management Platform (CMP) device database
Asset reporting	▪ Newly-discovered assets are reported by the Tofino CMP as security alerts ▪ Detailed network asset lists can be exported to 3rd party products from the Tofino CMP
Assisted Rule Generation (ARG)	The Firewall rule 'wizard' assists with creating new firewall rules when traffic is blocked by the Tofino SA: ▪ Extracts traffic data from the Tofino CMP ▪ Guides the operator through device, protocol, and permission settings ▪ Creates a new firewall rule and downloads it to Tofino Security Appliance(s) on approval
Standards compliance	▪ Provides detailed inventory lists for compliance with ISA-99 and NERC requirements ▪ Continuous monitoring means up-to-date lists are always available
Configuration method	Simple, centralized configuration using the Tofino CMP
Operating modes	▪ All standard Tofino SA modes supported: ▪ *Passive:* all traffic allowed, full reporting of new devices ▪ *Test:* all traffic allowed; alerts generated as per user rules ▪ *Operational:* traffic filtered and alerts generated as per user rules
Certifications	MUSIC-2009 security certification (Foundation level)
System requirements	▪ Tofino Security Appliance ▪ Tofino Central Management Platform (CMP) ▪ Tofino Firewall LSM (recommended, to use Assisted Rule Generation)
Ordering information	Part number: **LSM-SAM-100** Name: **Tofino™ Argon Secure Asset Management LSM** For additional information, visit www.tofinosecurity.com/buy/tofino-argon

Tofino™ Secure Asset Management LSM is a component of the Tofino Security Solution:

Tofino Security Appliance

Hardware platform that creates Plug-n-Protect™ zones of security on control and SCADA networks

Loadable Security Modules

Firmware modules that customize the security features of each Tofino SA:
- **Firewall:** Directs and controls industrial network traffic
- **Modbus and OPC Enforcers:** Content inspection and connection management for Modbus and OPC
- **Secure Asset Management:** Tracks and identifies network devices
- **VPN:** Secures remote communication
- **Event Logger:** Reliably logs security events and alarms

Tofino CMP

Software that provides coordinated security management of all Tofino Security Appliances from one workstation or server

Your authorized Tofino supplier:

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