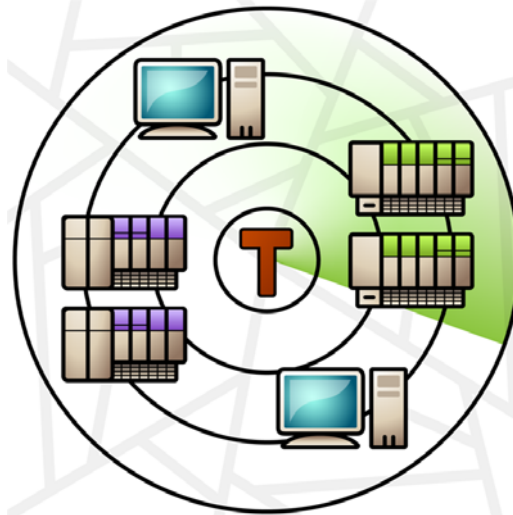


Tofino™ Secure Asset Management LSM

Data Sheet
MM-DS-LSM-SAM
Version 3-M

Securely track network devices and easily create firewall rules



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. Seems 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 are discovered on the 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

Features

- 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

Applications

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

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Features and Specifications

Asset discovery	Completely passive - no network probing or scanning is performed, so there is no risk of process disruption
Asset classification	<ul style="list-style-type: none"> Automatically matches discovered assets against product types in the Tofino Central Management Platform (CMP) device database
Asset reporting	<ul style="list-style-type: none"> 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)	<p>The Firewall rule 'wizard' assists with creating new firewall rules when traffic is blocked by <i>Tofino</i>:</p> <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 Central Management Platform (CMP)
Operating modes	<p>All standard <i>Tofino</i> modes supported:</p> <ul style="list-style-type: none"> <i>Passive</i>: all traffic allowed, full reporting of new devices <i>Test</i>: all traffic allowed; alerts generated as per user rules <i>Operational</i>: traffic filtered and alerts generated as per user rules
Certifications	<ul style="list-style-type: none"> MUSIC-2007 security certification (Foundation level)
System requirements	<ul style="list-style-type: none"> Tofino Security Appliance Tofino Central Management Platform (CMP) Tofino Firewall LSM (recommended, to use Assisted Rule Generation)
Ordering information	<p>Part number: 9520-SAM Name: Tofino Secure Asset Management LSM Visit: www.mtl-inst.com/tofino for ordering info for all products.</p>

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

Tofino Security Appliance

Hardware platform implementing Zone Level Security on control networks.



Loadable Security Modules

Firmware modules that customize the security features on *Tofino*.

- Firewall:** Traffic Control Cop for industrial networks
- Modbus TCP Enforcer:** Content Inspector for Modbus
- Secure Asset Management:** Tracks and protects network devices
- VPN:** Secure tunnels over untrusted networks

Central Management Platform

Software to configure, manage and monitor all your Tofino Security Appliances from one workstation.



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