# Tofino™ Central Management Platform

Coordinates security management
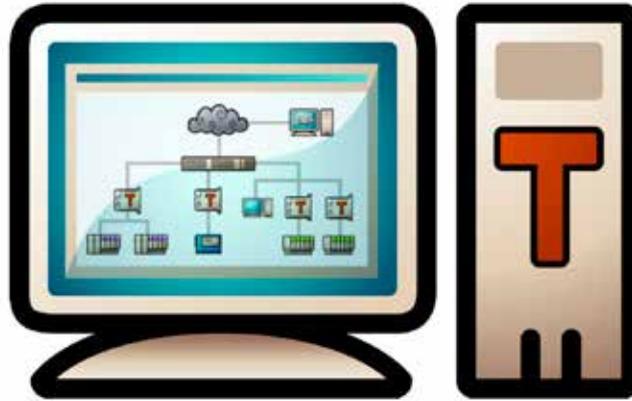
Configure and manage security for your control network from one location

Traditional security devices force you to configure them one at a time. This quickly becomes un-manageable as the number of devices increases. What's worse, this device-centric view provides no way to see what is happening at the system level, so diagnosing and correcting security issues is time-consuming, error-prone, and expensive.

The Tofino Central Management Platform (CMP) software enables configuration, management and monitoring of all your Tofino Security Appliances from one workstation.

Using the Tofino CMP you can quickly create a model of your entire control network. Visual drag-and-drop editing tools help you create, edit, and test your Tofino configuration. And, after you commission your security system, the Tofino CMP lets you see the status of the entire system at a glance and respond to cyber threats in a coordinated manner.

Saves you money through:

- Simplifying compliance to safety and security standards
- Reduced down time and production losses
- Lower training and staffing costs
- Improved system reliability and stability

Unique capabilities:

- Configure, manage and monitor all Tofino Security Appliances from one workstation
- Built-in Network Editor to quickly model your control network
- Visual drag-and-drop editors for quick and easy configuration of security rules

- Pre-defined templates for more than 50 industrial communication protocols and over 25 families of industrial controllers
- Relay security alerts to other network management tools via SQL database and/or syslog (RFC 3164)

Applications

- Process network security in oil and gas, chemicals, pulp and paper and metals
- SCADA security for power, water/ waste water, pipelines and transportation systems
- Discrete automation security for automotive, food and beverage, aerospace and semi-conductor manufacturing

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Features and Specifications

Model your network	Quickly and easily create a model of your entire control network.
Create security rules	• Visually create rules that specify which device may communicate, and what protocols they may use • Tofino Discovery probes the control network to locate unconfigured Tofino Security Appliances • Passive Asset Discovery discovers computers and controllers, and matches them against a database of over 25 vendor product families
Test your rules	Security alerts are displayed in the Tofino CMP's Event View, enabling fast rule editing and refinement
Number of secured devices	No limit. All Tofino Security Appliances in the network may be managed from a single Tofino CMP workstation
Device configuration	• *Network*: uses secure SSH communications to configure each Tofino Security Appliance • *Manual*: encrypted configuration files may be saved on a USB storage device and loaded into T ofino Security Appliances via a secure USB port
Security alerts	Tofino Security Appliances report security alerts to the Tofino CMP via the Tofino Exception Heartbeat mechanism
Pro-active alerting	Security alerts (heartbeats) may be relayed to syslog server (RFC 3164), enabling alerting of operations personnel via e-mail or pager.
Post-incident auditing	Heartbeats may be stored in a SQL database and/or text file for subsequent analysis.
System requirements	• Windows Server 2003, standard edition* • Dual-core CPU; minimum 1GB RAM, 250GB hard drive • Colour monitor, minimum 1024 x 768 resolution
Ordering information	• Part number: 9510-CMP (CMP license for unlimited number of Tofino SA) • Part number: 9515-MP (CMP starter pack license for 1 Tofino SA) • Part number: 9510-CMP-5 (CMP license for up to 5 Tofino SA) • Part number: 9510-CMP-10 (CMP license for up to 10 Tofino SA) • Part number: 9518-CMPU (CMP upgrade to unlimited number of Tofino SA)

The Tofino™ Central Management Platform is a component of the Tofino™ Industrial Security Solution

Tofino Security Appliance

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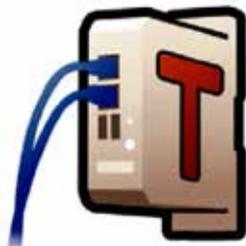
Loadable Security Modules

Firmware modules that customize the security features of each Tofino SA:

- **Firewall**: Directs and controls industrial network traffic
- **Modbus TCP Enforcer**: Content Inspection and connection managament 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