



## Product information EAGLE Tofino Modbus TCP Enforcer LSM

<b>Industrial Ethernet:Industrial Firewall System:EAGLE 20 Tofino:EAGLE Tofino Modbus TCP Enforcer LSM</b>	
<a href="http://e-catalog.beldensolutions.com/link/57078-24455-49853-100124-107136/en/conf/ui/state">http://e-catalog.beldensolutions.com/link/57078-24455-49853-100124-107136/en/conf/ui/state</a>	
<b>Name</b>	EAGLE Tofino Modbus TCP Enforcer LSM
	The EAGLE Tofino Modbus TCP Enforcer is a content inspector for Modbus communications, checking every Modbus command and response against a list of 'allowed' commands defined by your control engineers.
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	The EAGLE Tofino Modbus TCP Enforcer is a content inspector for Modbus communications, checking every Modbus command and response against a list of 'allowed' commands defined by your control engineers.
<b>Type</b>	EAGLE Tofino Modbus TCP Enforcer LSM
<b>Order No.</b>	942 016-112
<b>Diagnostics</b>	
<b>Diagnostic functions</b>	The EAGLE Tofino Modbus TCP Enforcer makes sure that the only Modbus commands your control devices receive are approved commands from approved computers.
<b>Alarm and event actions</b>	Any command that is not on the 'allowed' list, or any attempt to access a register or coil that is outside the allowed range, is blocked and reported.
<b>Configuration</b>	
<b>Configuration functions</b>	Simple configuration using the EAGLE Tofino Central Management Platform (CMP). All standard EAGLE Tofino modes supported: Passive: all traffic allowed, no alerting Test: all traffic allowed; alerts generated as per user rules Operational: traffic filtered and alerts generated as per user rules Multiple master and slave Modbus devices are supported, with a unique set of inspection rules and options for each master/slave connection.
<b>User-settable options</b>	The following options may be set on a per-connection basis: Permitted Modbus function codes. Permitted register or coil address range. Sanity check enable/disable. State tracking enable/disable. TCP Reset on blocked traffic (when utilizing TCP transport protocol). Modbus exception reply on blocked traffic. Supports Modbus function codes 1-8, 11-17, 20-24, 40, 42, 43, 48, 66, 67, 91, 100, 125, 126.
<b>Hardware requirements</b>	
<b>Network</b>	EAGLE20 Tofino Security Appliance
<b>Recommended resolution</b>	n/a
<b>Hard disk space</b>	n/a
<b>RAM</b>	n/a
<b>Processor</b>	n/a
<b>Software requirements</b>	
<b>Network device</b>	EAGLE Tofino Central Management Platform
<b>Operating system</b>	n/a
<b>SCADA /Process visualisation</b>	
<b>Supported SCADA systems</b>	Pre-defined templates for more than 50 industrial communication protocols and over 25 families of industrial controllers.
<b>Protocols</b>	
<b>Supported protocols</b>	Both Modbus/TCP and Modbus/UDP supported.
<b>Security</b>	
<b>Security functions</b>	A list of allowed Modbus commands, registers and coils can be defined. Automatically blocks and reports any traffic that does not match your rules. Protocol 'Sanity Check' blocks any traffic not conforming to the Modbus standard. Supports multiple master and slave devices.
<b>Authentication</b>	n/a
<b>Encryption</b>	n/a
<b>Filter</b>	Supports Modbus function codes 1-8, 11-17, 20-24, 40, 42, 43, 48, 66, 67, 91, 100, 125, 126.
<b>Product variants</b>	
<b>Version + Nodes</b>	Full version
<b>Approvals</b>	
<b>MUSIC 2009-1</b>	Certified (Foundation Level)
<b>Modbus-IDA</b>	Certified Modbus compliant by Modbus-IDA
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	License activation via email.



# HIRSCHMANN

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