Product information
EAGLE Tofino Modbus TCP Enforcer LSM

Industrial Ethernet:Industrial Firewall System:EAGLE 20 Tofino:EAGLE Tofino Modbus TCP Enforcer LSM	
http://www.e-catalog.beldensolutions.com/link/57078-24455-49853-100124-107136/en/conf/uistate	
Name	**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.
Delivery informations	
Availability	available
Product description	
Description	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.
Type	EAGLE Tofino Modbus TCP Enforcer LSM
Order No.	942 016-112
Diagnostics	
Diagnostic functions	The EAGLE Tofino Modbus TCP Enforcer makes sure that the only Modbus commands your control devices receive are approved commands from approved computers.
Alarm and event actions	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.
Configuration	
Configuration functions	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.
User-settable options	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.
Hardware requirements	
Network	EAGLE20 Tofino Security Appliance
Recommended resolution	n/a
Hard disk space	n/a
RAM	n/a
Processor	n/a
Software requirements	
Network device	EAGLE Tofino Central Management Platform
Operating system	n/a
SCADA /Process visualisation	
Supported SCADA systems	Pre-defined templates for more than 50 industrial communication protocols and over 25 families of industrial controllers.
Protocols	
Supported protocols	Both Modbus/TCP and Modbus/UDP supported.
Security	
Security functions	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.
Authentication	n/a
Encryption	n/a
Filter	Supports Modbus function codes 1-8, 11-17, 20-24, 40, 42, 43, 48, 66, 67, 91, 100, 125, 126.
Product variants	
Version + Nodes	Full version
Approvals	
MUSIC 2009-1	Certified (Foundation Level)
Modbus-IDA	Certified Modbus compliant by Modbus-IDA
Scope of delivery and accessories	
Scope of delivery	License activation via email.

For more information please contact:

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