Technical data
MTL industrial security

September 2016
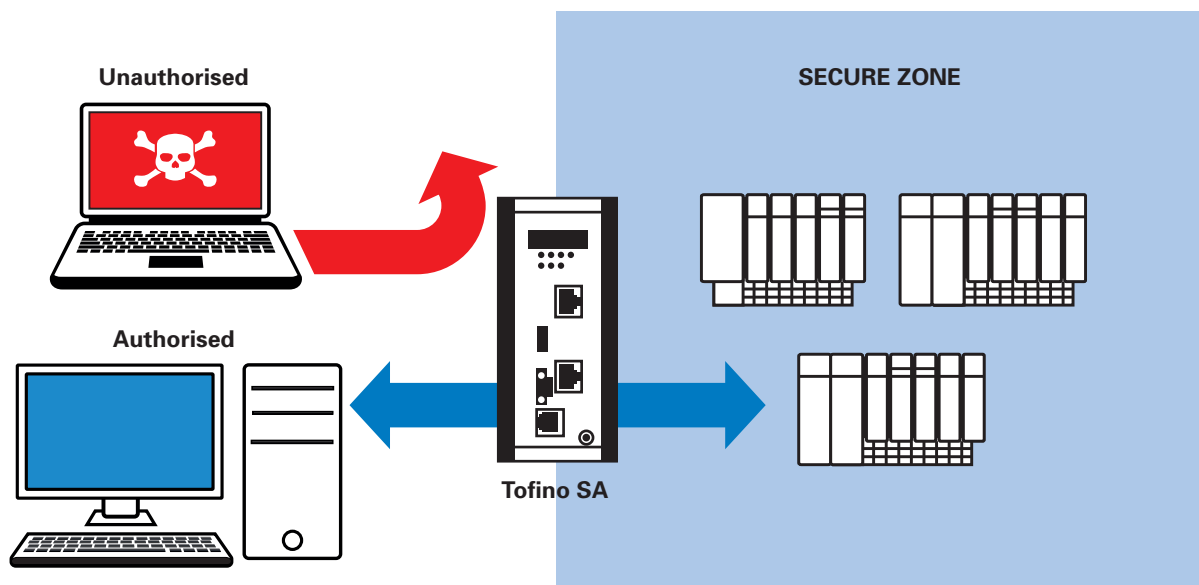EPS MTL 9202-ETS rev3

CROUSE-HINDS
SERIES

Tofino™ 9202-ETS range

Key Features:

- Improved system reliability and stability

- Reduced down time and production losses

- Lower maintenance costs

- Simplified regulatory and security standard compliance

- Plug-n-Protect installation requires no preconfiguration, no network changes, and no disruption to the control system

- Simple configuration over the network using the free Tofino Configurator software

- Unique 'Test' mode allows firewall testing with no risk to your operation

- Pre-installed Firewall, Event Logger and NetConnect Loadable Security Modules (LSM)

- Compatible with all DCS, PLC, SCADA, networking, and software products

- Rugged hardware design for years of reliable service

- Secure networks with security zones as per NERC, ANSI/ISA, and IEC standards

- Protect connections to partners networks and wireless networks

- Improve SCADA and process control network reliability and performance

Unauthorised

SECURE ZONE

Authorised

Tofino SA

EATON
Powering Business Worldwide

MTL 9202-ETS
September 2016

SPECIFICATIONS

Ethernet Interfaces
2 x FE (100BASE-TX)

Additional Interfaces

USB Interface
1 x USB socket to connect load/verify configuration

Digital Input
1 x plug-in terminal block, 2-pin

Signalling Contact
1 x max. 60 V DC or max. 30 V AC, SELV, max. 1A

Network Size

Twisted Pair
(TP) 0 to 100 m

Power Requirements

Operating Voltage
12 to 48 V DC, 24 V AC redundant power supply

Power Consumption
5 Watts

Power Supply/Signaling Contact
1 x plug-in terminal block, 6-pin

Software

Management
MTL Tofino Configurator (TC) software

Loadable Security Modules (LSMs)
Basic LSMs (pre-installed): Firewall, Event Logger & NetConnect
Enforcer LSMs (to be ordered separately): Modbus TCP Enforcer (9522-MBT), OPC Enforcer (9522-OPC) & EtherNet/IP Enforcer (9522-EIP)

Diagnostics
LEDs (power, mode, fault, save/load, reset , link status), signal contact, syslog, configuration verify

Firewall
Stateful layer 2, 3 and 4 filtering with optional deep packet inspection for SCADA protocols (depending on purchased LSMs)

System Requirements
Windows XP, Windows 7 (32- and 64-bit), or Windows Server 2003, 2008, or 2008 SR2

Configuration method

Network
Tofino Configurator uses secure communications to configure the Tofino security appliance

Manual
Encrypted configuration files may be saved on a USB storage device and loaded into the Tofino security appliance via a secure USB port

Operating modes

Test
All traffic allowed; alerts generated as per user rules

Operational
Traffic filtered and alerts generated as per user rules

Mode changes
Operating mode is controlled remotely from the free Tofino Configurator software

Audit log
Audit capabilities for tracking configuration changes

Security alerts
Simultaneous event logging to a remote syslog server and local nonvolatile memory for later download via network or USB storage device

Ambient Conditions

Operating Temperature
-40°C to +70°C (IEC 60068-2-2 Dry Heat Test +85°C 16 hours)

Storage/Transport Temperature
-40°C to +85°C

Relative Humidity (non-condensing)
10% to 95%

Conformal Coating
Option available as 9202-ETS-CC

Mechanical Construction

Dimensions (WxHxD)
60 x 145 x 125 mm

Weight
660 g

Protection Class
IP20

Mounting
DIN Rail 35 mm

Approvals

Declaration of Conformity
CE, FCC, EN 61131, C-TICK, EN 60950

Safety of Industrial Control Equipment
cUL508

Hazardous Locations
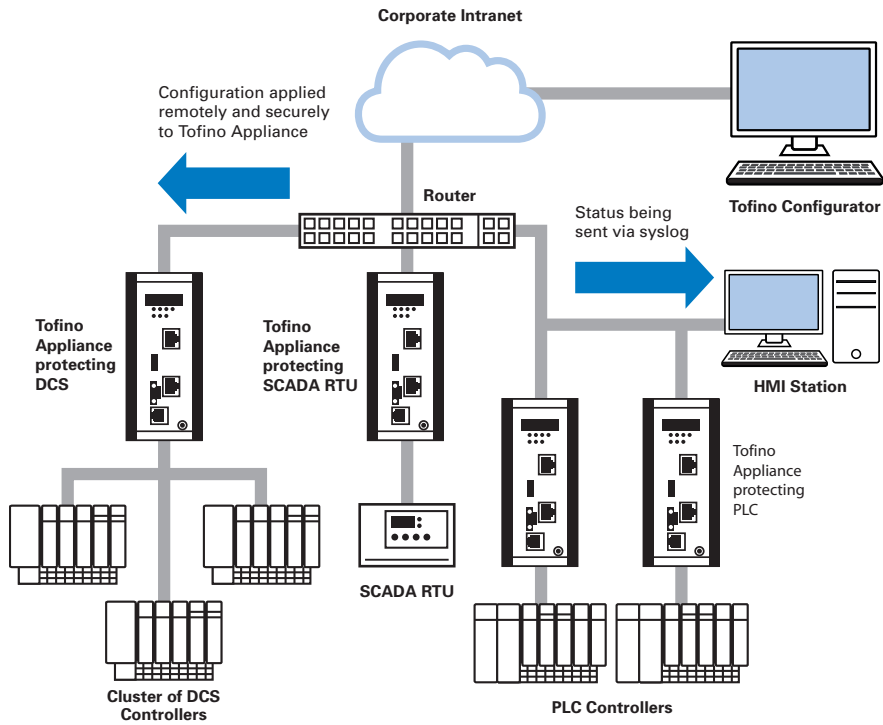ISA-12.12.-01 Class 1 Div. 2 – Haz. Loc,
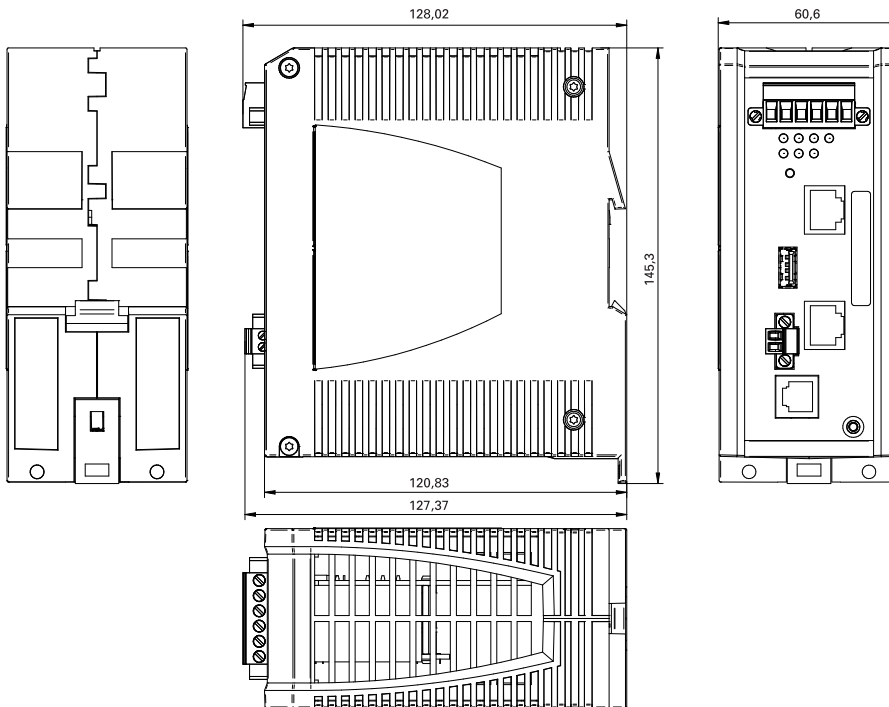ATEX-95 Category 3G (Zone 2)

Reliability

MTBF
74.5 years

Warranty
5 years (standard)

MTL 9202-ETS

September 2016

Corporate Intranet

Configuration applied
remotely and securely
to Tofino Appliance

Router

Tofino Configurator

Status being
sent via syslog

**Tofino
Appliance
protecting
DCS**

**Tofino
Appliance
protecting
SCADA RTU**

Tofino
Appliance
protecting
PLC

HMI Station

SCADA RTU

**Cluster of DCS
Controllers**

PLC Controllers

DIMENSIONS

128,02

145,3

120,83

127,37

60,6

The given data is only intended as a product
description and should not be regarded as a legal
warranty of properties or guarantee. In the interest
of further technical developments, we reserve the
right to make design changes.

E·T·N

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