



## Product information EAGLE 20 Tofino MM/TX

Industrial Ethernet:Industrial Firewall System:EAGLE 20 Tofino:EAGLE 20 Tofino MM/TX

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49853-100124-100175/en/conf/ulistate>

Name	EAGLE 20 Tofino MM/TX
	
	Industrial Firewall/VPN-Router
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	Industrial Firewall/VPN-Router
Port type and quantity	Untrusted port: 1 x 100BASE-FX, MM-cable, SC-socket; Trusted port: 1 x 10/100BASE-TX, TP-cable, RJ45-socket, autocrossing, autonegotiation, autopolarity
Type	EAGLE 20 Tofino MM/TX
Order No.	943 987-504
<b>More interfaces</b>	
Power supply/signaling contact	1 x plug-in terminal block, 6-pin
USB interface	1 x USB socket (to connect auto-configuration adapter ACA21-USB)
<b>Network size - length of cable</b>	
Twisted pair (TP)	0 m ... 100 m
Multimode fiber (MM) 50/125 µm	0 - 5000 m, 8 dB link budget at 1300 nm, A = 1 dB/km, 3 dB Reserve, B = 800 MHz x km
Multimode fiber (MM) 62.5/125 µm	0 - 4000 m, 11 dB link budget at 1300 nm, A = 1 dB/km, 3 dB Reserve, B = 500 MHz x km
Single mode fiber (SM) 9/125 µm	n/a
<b>Power requirements</b>	
Operating voltage	DC 9.6 to 60 V, AC 18 to 30 V
Current consumption at 24 V DC	max. 8.1 W
<b>Service</b>	
Management	EAGLE Tofino Central Management Platform
Diagnostics	LEDs (power, link status, data, error, ACA, V.24), signal contact (DC 24 V/1 A)
Other services	Firewall learning mode. Deep packet inspection for Modbus/TCP Asset Management. VPN Server, Client, and PC Client. Event Logger.
<b>Ambient conditions</b>	
Operating temperature	-40 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	10 % ... 95 %
MTBF	26.6 years (MIL-HDBK-217F)
<b>Mechanical construction</b>	
Dimensions (W x H x D)	60 mm x 145 mm x 125 mm
Mounting	DIN Rail
Weight	615 g
Protection class	IP20
<b>Mechanical stability</b>	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 10 cycles, 1 octave/min
<b>EMC interference immunity</b>	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 2000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (linie/earth), 1 kV (linie/line)
EN 61000-4-6 conducted immunity	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)
<b>EMC emitted immunity</b>	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A

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#### Approvals

<b>Safety of industrial control equipment</b>	cUL 508
<b>Shipbuilding</b>	Germanischer Lloyd
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	device, terminal block, operating instructions
<b>Accessories to order separately</b>	rail power supply RPS 30, RPS 80 EEC, RPS 120 EEC, auto-configuration adapter ACA21-USB, 19" installation frame

For more information please contact:

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