




**Product information**  
**EAGLE 20 Tofino MM/MM**  
**943 987-505**

Name	
EAGLE 20 Tofino MM/MM	
	
	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 100BASE-FX, MM-cable, SC-socket
Type	EAGLE 20 Tofino MM/MM
Order No.	943 987-505
<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. 9.5 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	25.7 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	630 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

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



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

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