BELDEN
SENDING ALL THE RIGHT SIGNALS

Data sheet
EAGLE 20 Tofino MM/TX - EAGLE 20 Tofino MM/TX

Industrial Ethernet:Industrial Firewall System:EAGLE 20 Tofino:EAGLE 20 Tofino MM/TX	
Name	**EAGLE 20 Tofino MM/TX**
	
Delivery informations	
Document created at	14-05-2010
Availability	available
Product description	
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
More Interfaces	
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)
Network size - length of cable	
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
Power requirements	
Operating voltage	DC 9.6 to 60 V, AC 18 to 30 V
Current consumption at 24 V DC	max. 8.1 W
Service	
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.
Ambient conditions	
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)
Mechanical construction	
Dimensions (W x H x D)	60 mm x 145 mm x 125 mm
Mounting	DIN Rail
Weight	615 gram
Protection class	IP20
Mechanical stability	
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
EMC interference immunity	
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)
EMC emitted immunity	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A

Industrial Ethernet:Industrial Firewall System:EAGLE 20 Tofino:EAGLE 20 Tofino MM/TX	
Approvals	
Safety of industrial control equipment	cUL 508
Germanischer Lloyd	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 adpater ACA21-USB, 19" installation frame