

Data sheet

EAGLE 20 Tofino MM/MM - EAGLE 20 Tofino MM/MM

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

Name EAGLE 20 Tofino MM/MM



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 100BASE-FX, MM-cable, SC-socket

Type EAGLE 20 Tofino MM/MM

Order No. 943 987-505

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. 9.5 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 25.7 years (MIL-HDBK-217F)

Mechanical construction

Dimensions (W x H x D) 60 mm x 145 mm x 125 mm

Mounting DIN Rail

Weight 630 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 (line/earth), 1 kV (line/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

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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 adapter ACA21-USB, 19" installation frame