

secunet edge extended



Quick overview

- ATOM E3827 processor
- 2/4 GB DDR3L RAM
- 16/64 GB secunet CryptoCore SSD
- Compact, robust, fanless design with high stability
- RoHS2, WEEE, CE, FCC, CC EAL 5+ certified

Compact edge Controller with Intel Atom E3827 processor, 2/4 GB DDR3L RAM, 16/64 GB secunet CryptoCore SSD, 4 × LAN, 1 × USB 3.0, 1 × USB 2.0

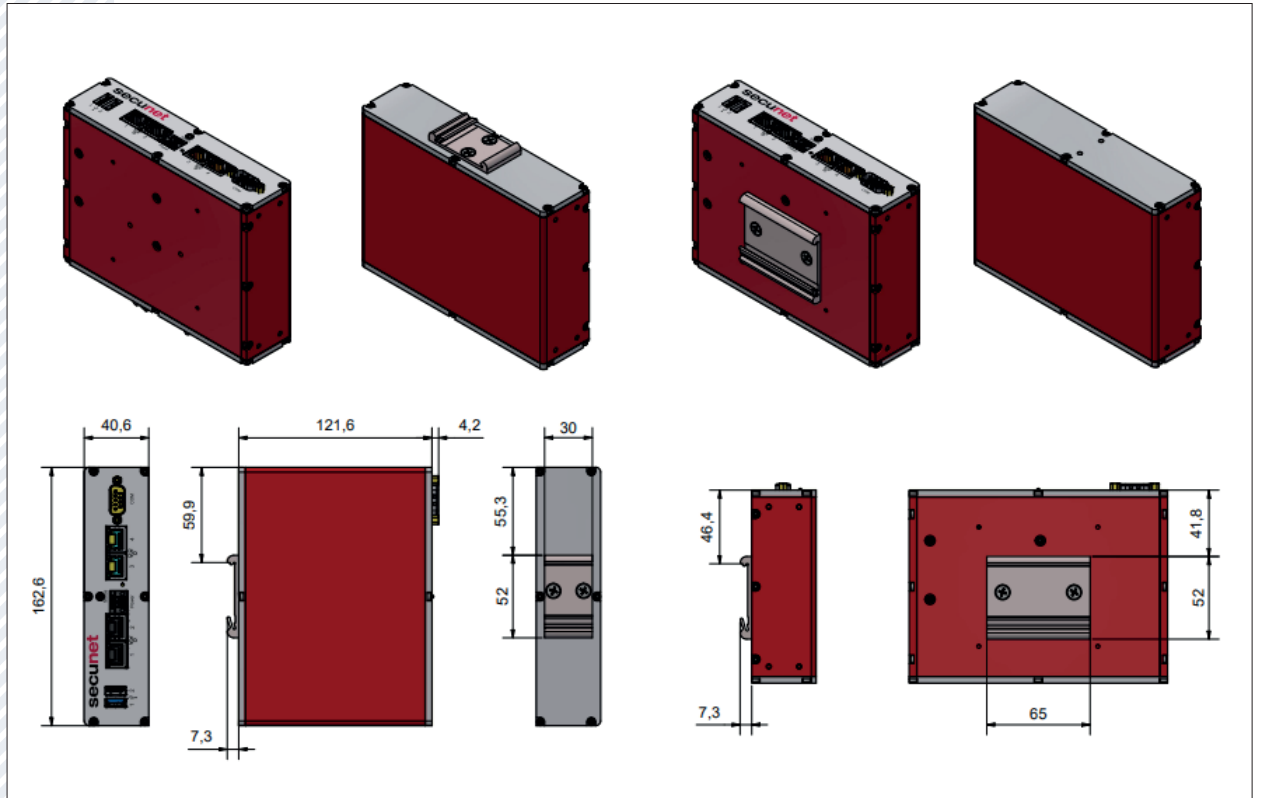
Introduction

Secure connection of machines, local IT infrastructures and IoT platforms, Industry-grade hardware made in Germany, Industry 4.0 enabler: firewalling, retrofitting, IoT, protocol translation, Intelligent edge computing platform based on flexible container environment.

Specifications

General	
CPU	Atom E3827 processor
RAM	2/4 GB DDR3L RAM
SSD-Storage	16/64 GB secunet CryptoCore SSD
Certification	RoHS2, WEEE, CE, FCC, CC EAL 5+
Dimensions: (WxDxH)	162,6 × 40,6 × 121,6 mm
Form Factor	2.5" IPC
Enclosure	Full Aluminium, passive cooling, IP 40 rated
Mounting	VESA 50 Opt. DIN-Rail, 19"
Net Weight	0,96 Kg
Power Requirement	14–38 VDC
Power Consumption	<12 W
Software Compatibility	OCI Compliant Container (Linux-Compatible x86/64, Docker compatible)
Vibration Resistance	EN 60068-2-6: 10 to 58 Hz: 0.035 mm 58 to 500 Hz: 0.5 G (approx. 5 m/s ²)
Encryption	eSE (Embedded Secure Element) Common Criteria EAL 5+ certified
I/O Interfaces	
LAN	4 × LAN with Intel chipset i210
USB	1 × USB 2.0 1 × USB 3.0
Display Output	none
Power Connector	1 × 4 pin terminal block
Environment	
Operating Temperature	-25 – 85 °C
Storage Temperature	-25 – 85 °C
Relative Humidity	< 95%, non-condensing
Shock Protection	EN 60068-2-27:5 G (approx. 50 m/s ²), duration: 30 ms
MTBF Values (25 °C, MIL-HDBK-217F)	280.850 h
P/E Cycles	CryptoCore SSD: 5.000 Secure Element: 500.000

Installation Scenario



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