

SAF4100I

Network Appliance Platform



Product Overview

The Edgecore Network Appliance Platform utilizes standard Intel® x86 architecture that provides openness and flexibility to fulfill various use cases in different vertical markets. With the advent of SDN and NFV, the platform supports open-source-based software or 3rd party VNFs that enable Service Providers to deliver and deploy innovative services and applications with agility and scalability.

In the emerging 5G networks and edge computing, the platform is an excellent choice for Service Providers to deliver Residential and Enterprise vCPE/uCPE solutions from the cloud or edge cloud. The platform supports a range of fixed Gigabit Ethernet ports for connectivity along with internal M.2 SSD and HDD storage options, which are all contained within a compact form-factor.

Product Applications

- Unified Threat Management
- WAN Optimization
- Virtual CPE
- Next-Generation Firewall
- Virtual Private Network

Key Features

- CPU
 - Intel D-1500 Series SoC (Broadwell-DE)
- Memory
 - 2x DDR4 SODIMM slots (max 32GB). Default 4GB.
- Ethernet Interfaces:
 - 1 x RJ-45 and 1 x SFP GbE Port for WAN, through 2 x Intel I210 controllers
 - 1 x SFP+ 10GbE port, through CPU built-in Ethernet controller
 - 8 x RJ-45 GbE port for LAN, through Marvell 88E6190X Ethernet Switch Hub
- Local Storage:
 - 1 M.2 SATA SSD, default 32 GB
- Advanced Technology
 - Intel QuickAssist Technology
 - Virtualization - VT-d, VT-x, SR-IOV
 - Security – H/W TPM 1.2, AES-NI
 - DPDK
- FIPS 140-2 Level 2 compliant (Hardware level)
- Desktop Form Factor

Features

Product Model

SAF4100I

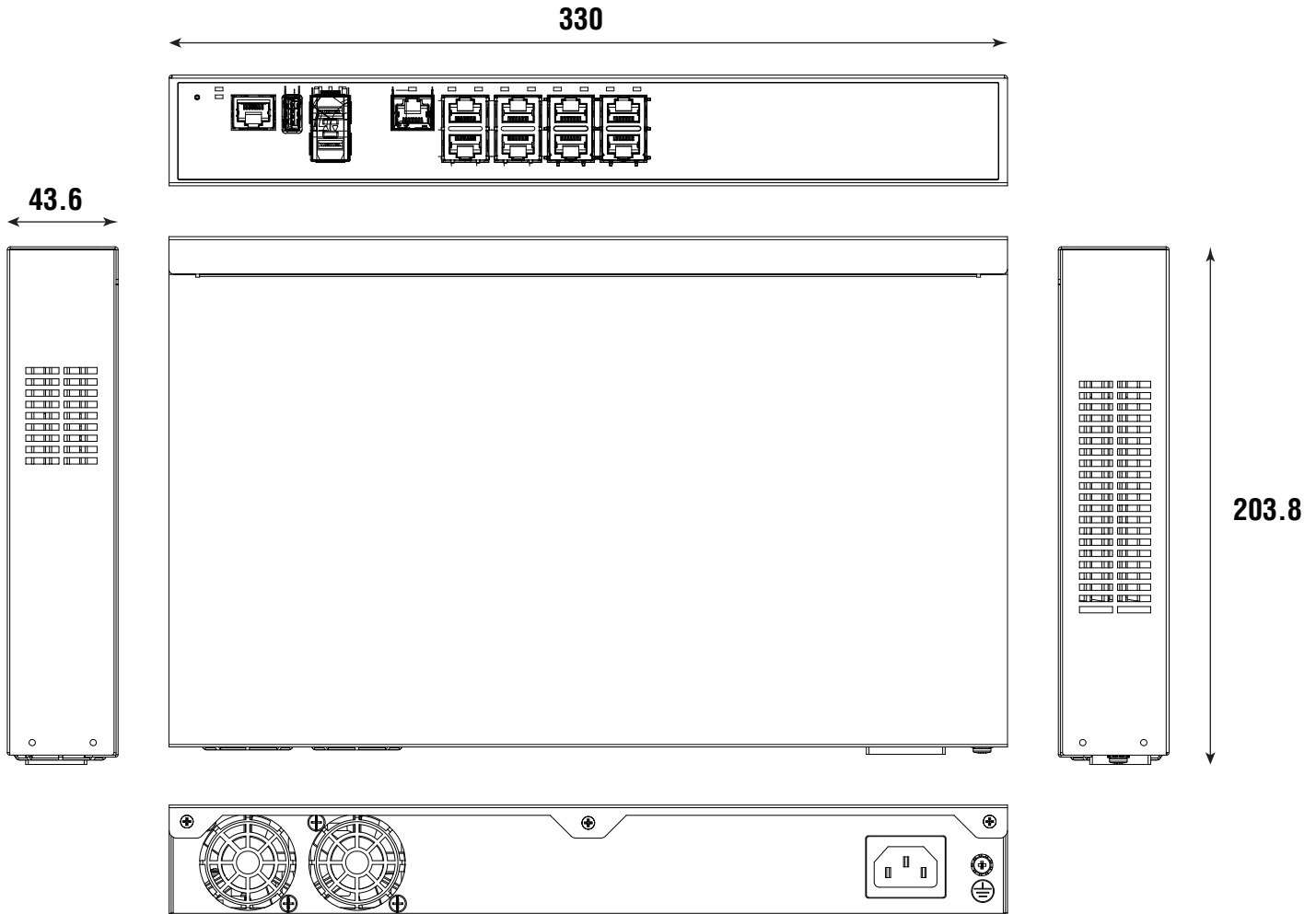
Product Image



Mechanical Platform		Compact desktop (support FIPS 140-2 Level 2 in chassis)
Processor System	Processor Type	SoC, Intel® Broadwell-DE D1508 (FCBGA, 14nm)
	Max Speed	2.2 GHz (Turbo 2.5 GHz)
	Cores/Virtual CPUs	Support 2 cores, 4 threads
System Memory	Socket	2 x DDR4 SO-DIMM slots
	Type/Capacity	DDR4 SO-DIMM 1866 MHz ECC 4 GB (32 GB Max.)
Boot Flash	Flash Type	SPI Flash
	Firmware Base	AMI AptioV UEFI BIOS
Ethernet Ports	WAN	1 x RJ-45 and 1 x SFP GbE Port for WAN, through 2 x Intel I210 controllers
	LAN	1 x SFP+ 10GbE port, through CPU built-in Ethernet controller
	LAN	8 x RJ-45 GbE port for LAN, through Marvell 88E6190X Ethernet Switch Hub
Advanced Technologies		Intel vPro, VT-x, VT-d, EPT, AES-NI, TSX-NI, TPM V1.2 through ST ST33TPM12LPC
Local Storage	M.2	1 x M.2 SATAIII SSD, support 2242 type, default 32 GB
I/O Interface		1 x USB 3.0 Type-A
		1 x RJ-45 serial console port
		1 x hardware reset button
		Ethernet (refer to above Ethernet Ports)
Power	Type/Watts	Single power supply unit 150 W
	Input	AC 110 to 240 @ 50/60 Hz
System Cooling		2 x PWM fans, supports smart fan
Software	OS Support	Ubuntu Linux Server 16.04 LTS
	Applications	Support DPDK
Physical	Dimensions	330 (W) x 203.8 (D) x 43.6 (H) mm
	Weight	2.2 kg
Environment	Operating	Temperature: 0 to 40°C, Humidity: 20%~90% RH
	Storage	Temperature: -20 to 70°C, Humidity: 5%~90% RH
Compliances	EMC/Safety	CE/FCC compliance
	RoHS	RoHS 2.0

Features

SAF4100I Dimensions (W x H x D): 330 x 203.8 x 43.6 mm



Features

Warranty

Please check www.edge-core.com for the warranty terms in your country.

For More Information

To find out more about Edgecore Networks Corporation products and solutions, visit www.edge-core.com.

About Edgecore Networks Corporation

Edgecore Networks Corporation is in the business of providing innovative network solutions. In the service provider network, in the data center or in the cloud, Edgecore Networks Corporation delivers the software and systems that transform the way the world connects. Edgecore Networks Corporation serves customers and partners worldwide. Additional information can be found at www.edge-core.com.

Edgecore Networks Corporation is a subsidiary of Accton Technology Corporation, the leading network ODM company. The Edgecore data center switches are developed and manufactured by Accton.

To purchase Edgecore Networks solutions, please contact your Edgecore Networks Corporation representatives at +886 3 563 8888 (HQ) or +1 (949)-336-6801 or authorized resellers.

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