

SAF4101I

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
- vCPE/uCPE
- Next-Generation Firewall
- Virtual Private Network

Key Features

- CPU
 - Intel D-1500 Series SoC (Broadwell-DE)
- Memory
 - 2x DDR4 SODIMM slots (max 32GB). Default 8GB.
- Ethernet Ports
 - 1 x RJ-45 and 1 x SFP GbE Port through 2 x Intel I210 controllers
 - 1 x SFP+ 10GbE port through CPU built-in Ethernet controller
 - 8 x RJ-45 GbE port through Marvell 88E6190X Ethernet Switch Hub (4 PoE PSE ports; 2 x 802.3at or 4 x 802.3af)
- Storage
 - 1x M.2 SATA SSD
 - 2x Hot-swappable 2.5"HDD/SSD trays
- Advanced 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)
- 1U Rackmount Form Factor

Features

Product Model

SAF4101I

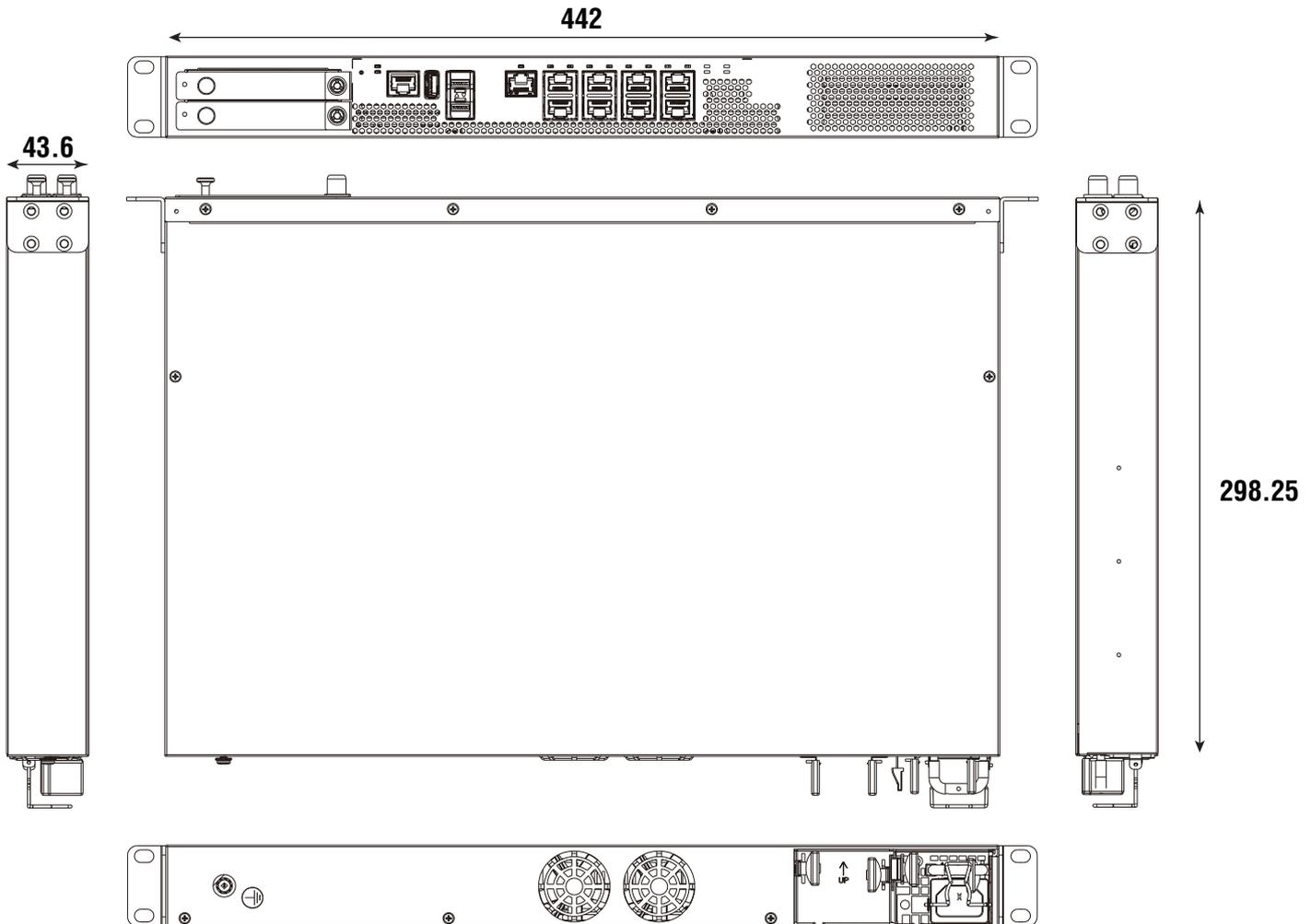
Product Image



Mechanical Platform		1U rack mount (support FIPS 140-2 Level 2 in chassis)
Processor System	Processor Type	SoC, Intel® Pentium® Processor D1517 (FCBGA, 14nm)
	Max Speed	1.6 GHz (Turbo 1.9 GHz)
	Cores/Virtual CPUs	Support 4 cores, 8 threads
System Memory	Socket	2 x DDR4 SO-DIMM slots
	Type/Capacity	DDR4 SO-DIMM 2133 MHz ECC 8 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 through 2 x Intel I210 controllers
	DMZ	1 x SFP+ 10GbE port through CPU built-in Ethernet controller
	LAN	8 x RJ-45 GbE port through Marvell 88E6190X Ethernet Switch Hub (4 PoE PSE ports; 2 x 802.3at or 4 x 802.3af)
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
	HDD/SSD	2 x hot-swappable 2.5" SATAIII HDD/SSD
I/O Interface		1 x USB 3.0 Type-A
		1 x RJ-45 serial console port
		1 x hardware reset button
		1 x power on/off switch
		Ethernet (refer to above Ethernet Ports)
Power	Type/Watts	300 W, support for redundant 1+1 power, single PSU installed
	Input	AC 110 to 240 @ 50/60 Hz
System Cooling		2 x PWM fans, supports smart fan
Software	OS Support	Ubuntu Linux Server 14.04 LTS
	Management	BMC firmware powered by Avocent MergePoint
	Applications	Support DPK
Physical	Dimensions	442 (W) x 298.3 (D) x 43.6 (H) mm
	Weight	4.1 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

SAF4101I Dimensions (W x H x D): 442 x 298.25 x 43.6 mm



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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