

SAF51001I

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 C3000 Series SoC (Atom)
- Memory
 - 2x DDR4 SODIMM slots (max 32GB). Default 4GB
- Ethernet Interfaces
 - 1 x RJ-45 and 1 x SFP GbE ports for WAN, through 2 x Intel I210 controllers
 - 1 x RJ-45 GbE port , through CPU built-in controller
 - 8 x RJ-45 GbE port for LAN, through Marvell 98DX3236, Ethernet Switch Hub
- Local Storage: eMMC, M.2 SSD and 2.5" Disk
 - 1 eMMC chip, default 16 GB
 - 1 M.2 SATA III SSD, default 128 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)
- Two miniPCIe expansion slots
- Desktop Form Factor

Features

Product Model

SAF51001I

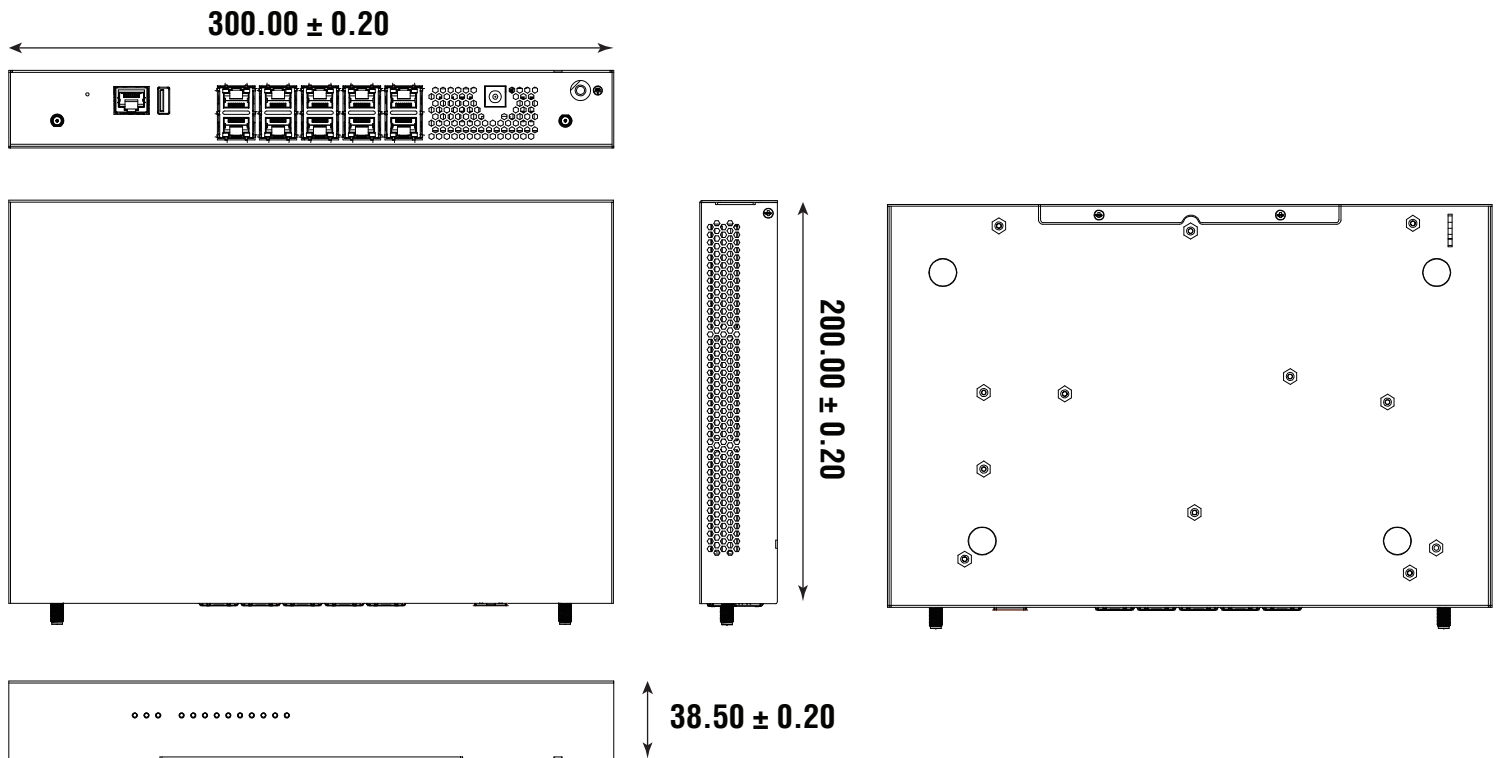
Product Image



Mechanical Platform		Compact desktop (support FIPS 140-2 Level 2 in chassis)
Processor System	Processor Type	SoC, Intel® Atom™ Processor for Communications, C3000 Series (FCBGA, 14 nm)
	Max Speed	2.2 GHz (Turbo 2.4 GHz)
	Cores/Virtual CPUs	Support 4 cores
System Memory	Socket	2 x DDR4 SO-DIMM slots
	Type/Capacity	DDR4 SO-DIMM 2133 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 ports for WAN, through 2 x Intel I210 controllers
	LAN	1 x RJ-45 GbE port, through CPU built-in controller
	LAN	8 x RJ-45 GbE port for LAN, through Marvell 98DX3236, Ethernet Switch Hub
Advanced Technologies		Intel® VT-x, Intel® VT-d, SR-IOV, VMDq, Core and Memory RAPL, Memory OLTT and CLTT
Local Storage	eMMC	1 x eMMC chip, default 16 GB
	M.2	1 x M.2 SATA III SSD, supports 2242/2280 type, default 128 GB
I/O Interface		1 x USB 3.0 Type-A
		1 x RJ-45 serial console port
		1 x hardware reset button
Expansion	Type	2 x Mini PCIe
Power	Type/Watts	External power adapter 60 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, Intel QuickAssist SDK
Physical	Dimensions	300 (W) x 200 (D) x 42.5 (H) mm
	Weight	1.62 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

SAF51001I Dimensions: 300 X 200 X 38.5 mm



Ordering Information

Model Number	Region
SAF51001I-JP	JP
SAF51001I-US	US

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.

© Copyright 2019 Edgecore Networks Corporation. The information contained herein is subject to change without notice. This document is for informational purposes only and does not set forth any warranty, expressed or implied, concerning any equipment, equipment feature, or service offered by Edgecore Networks Corporation. Edgecore Networks Corporation shall not be liable for technical or editorial errors or omissions contained herein.