

# SAF51003I

## 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 HDD storage, which are all contained within a compact desktop form-factor.

### Product Applications

- Unified Threat Management
- WAN Optimization
- vCPE/uCPE
- Next-Generation Firewall
- Virtual Private Network

### Key Features

- CPU
  - Intel C3000 Series SoC (Denverton-NS)
- Memory
  - 2x DDR4 SODIMM slots (max 32GB)
- Ethernet Ports
  - 2 x GbE Ethernet Ports (thru CPU built-in NIC)
  - 8 x GbE Ethernet Ports (thru Intel I350 NIC)
- Expansion Slot
  - 1x mini PCI Express Expansion Slot
- Storage
  - 1x 2.5" SATA HDD
- 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

SAF51003I

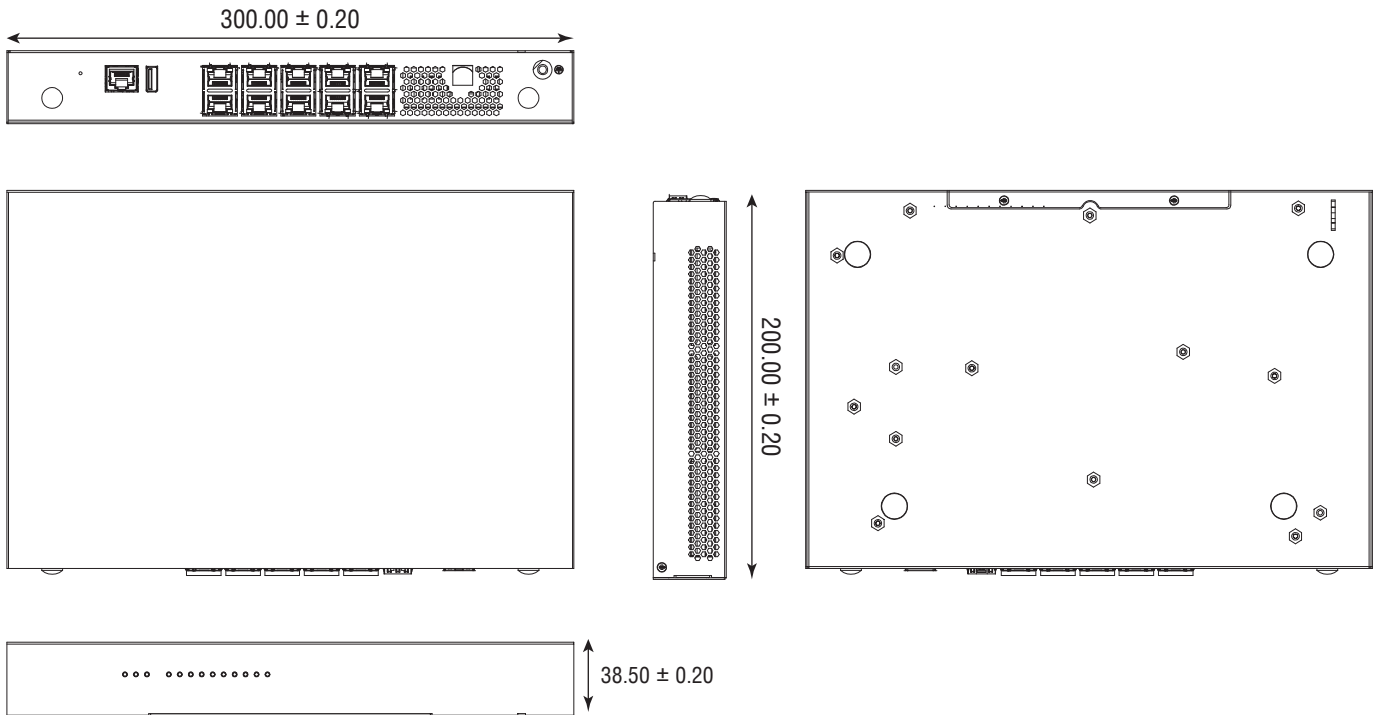
Product Image



<b>Mechanical Platform</b>		Compact desktop (support FIPS 140-2 Level 2 in chassis)
<b>Processor System</b>	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
<b>System Memory</b>	Socket	1 x DDR4 SO-DIMM slot
	Type/Capacity	DDR4 SO-DIMM 2133 MHz ECC 8GB
<b>Boot Flash</b>	Flash Type	SPI Flash
	Firmware Base	AMI AptioV UEFI BIOS
<b>Ethernet Ports</b>		1 x RJ-45 GbE port, through CPU built-in Ethernet controller
		1 x RJ-45 GbE port, through CPU built-in Ethernet controller
		8 x RJ-45 GbE ports, through dual Intel I350-AM4 Ethernet controllers
<b>Advanced Technologies</b>		Intel® VT-x, IntelHelvetica (TT) VT-d, SR-IOV, VMDq
<b>Local Storage</b>	HDD	1 x 2.5" 500GB HDD
<b>I/O Interface</b>		1 x USB 3.0 Type-A
		1 x RJ-45 serial console port
		1 x hardware reset pinhole
<b>Power</b>	Type/Watts	External power adapter 60 W
	Input	AC 100 to 240 @ 50/60 Hz
<b>System Cooling</b>		2 x PWM fans, supports smart fan
<b>Software</b>	OS Support	Ubuntu Linux Server 16.04 LTS
	Applications	Support DPDK, Intel QuickAssist SDK
<b>Physical</b>	Dimensions	300 (W) x 200 (D) x 38.5 (H) mm
	Weight	1.58 kg
<b>Environment</b>	Operating	Temperature: 0 to 40°C, Humidity: 20%~90% RH
	Storage	Temperature: -20 to 70°C, Humidity: 5%~90% RH
<b>Compliances</b>	EMC/Safety	CE/FCC compliance
	RoHS	RoHS 2.0

## Features

**Dimensions: 300 x 200 x 38.5 mm**



### Warranty

Please check [www.edge-core.com](http://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](http://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](http://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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## Ordering Information

Model Number	Region
SAF51003I-JP	JP
SAF51003I-US	US