

# SAF51015I

## 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 1G/10G Gigabit Ethernet ports for connectivity along with internal M.2 SSD storage option, which are all contained within a rackmount form-factor.

### Product Applications

- Universal CPE / Virtual CPE
- Unified Threat Management
- SD-WAN

### Key Features

- Intel® C3758 Series SoC processor, supporting up to 8 cores for best-in-class performance.
- Ethernet Interfaces:
  - 4x 10GE SFP+ (or 1G SFP) thru SoC NIC
  - 4 x 1GE RJ45 thru Intel I350
  - 4 x 1GE RJ45 thru Intel I210
- System Memory:
  - 16GB DDR4 DRAM
- Local Storage:
  - 128GB SATA3.0 SSD
- Advanced Technologies:
  - Virtualization: VT-d, VT-x, SR-IOV (10G SFP+, 4x RJ-45)
  - Security: H/W TPM 2.0, AES-NI

## Features

Product Model

SAF51015I

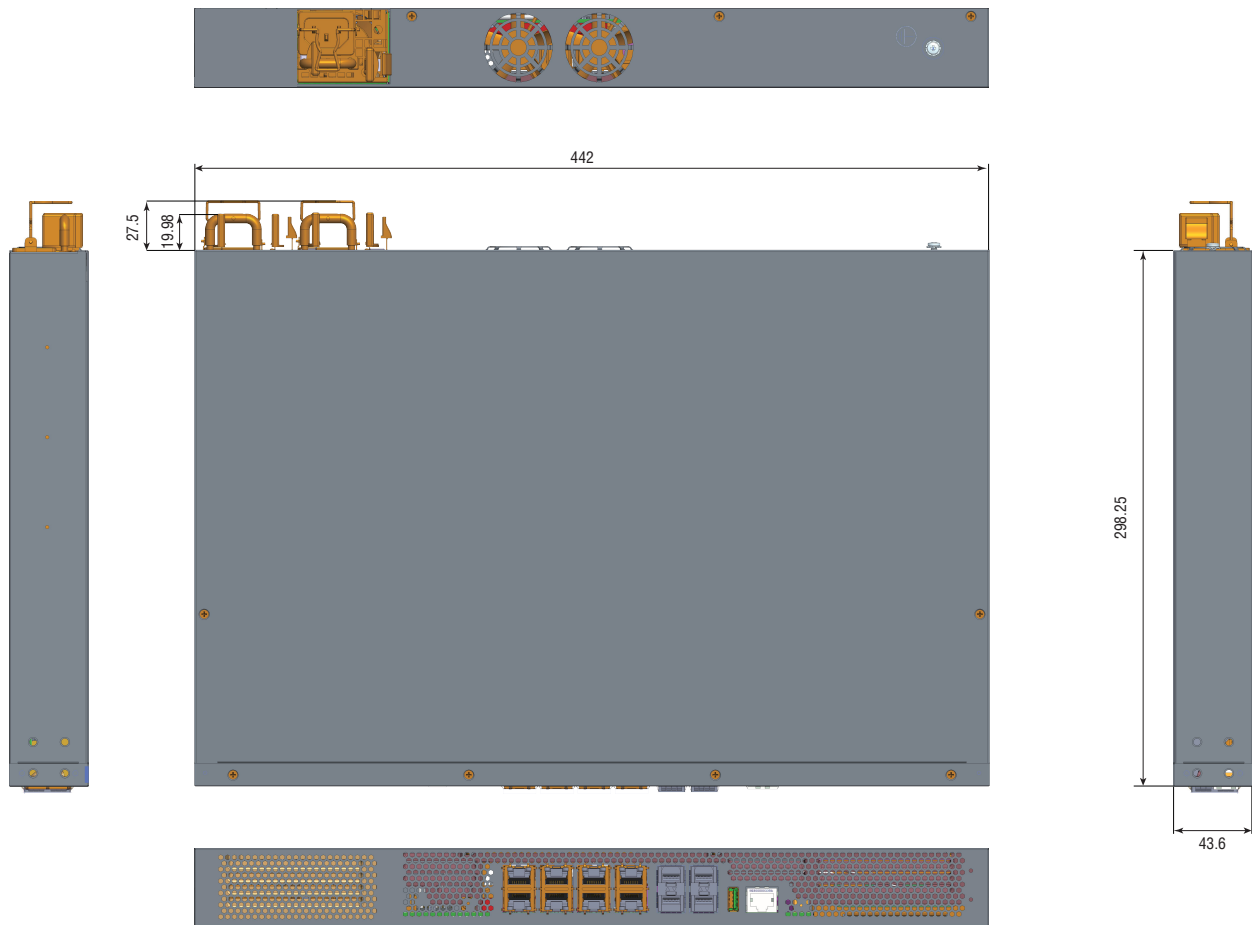
Product Image



<b>Mechanical Platform</b>		1U rack mount (support FIPS 140-2 Level 2 in chassis)
<b>Processor System</b>	Processor Type	SoC, Intel® Atom™ Processor for Communications, C3758 Series (FCBGA, 14 nm)
	Max Speed	2.2 GHz (Turbo 2.4 GHz)
	Cores	Support 8 cores
<b>System Memory</b>	Socket	2 x DDR4 SO-DIMM slots
	Type/Capacity	DDR4 SO-DIMM 2400 MHz ECC 8 GB x 2 (32 GB Max.)
<b>Boot Flash</b>	Flash Type	SPI Flash
	Firmware Base	AMI AptioV UEFI BIOS
<b>Ethernet Ports</b>	LAN	4 x 10GBASE-X (SFP+), through CPU built-in NIC - Backward Support 1000BASE-X (SFP)
		4 x 1000BASE-T, through Intel I350 NIC
		4 x 1000BASE-T, through Intel I210 NIC
<b>Advanced Technologies</b>		Intel QuickAssist Technology Virtualization - VT-d, VT-x, SR-IOV (10G SFP+, 4x 1000BASE-T through I350) Security - H/W TPM 2.0, AES-NI
<b>Local Storage</b>	M.2	128 GB SATA-3.0 SSD
<b>I/O Interface</b>		1 x USB 3.0 Type-A
		1 x RJ-45 serial console port
<b>Expansion</b>	Type	2 x mini PCI Express expansion slot
	Signal	PCIe/USB
<b>Power</b>	Type/Watts	300 W, support for redundant 1+1 power, default one 300W PSU installed
	Input	AC 110 to 240 @ 50/60 Hz
<b>System Cooling</b>		2 x PWM fans, supports smart fan
<b>Software</b>	OS Support	Ubuntu Linux Server 18.04 LTS, CentOS 7.0
	Applications	Support DPDK, Intel Quick Assist Technology
<b>Physical</b>	Dimensions	442 (W) x 298.25 (D) x 43.6 (H) mm
	Weight	3.1 KG (NW), 5.2 KG (GW)
<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	UL/CB/CE compliance
	RoHS	RoHS 2.0

## Outline

SAF51015I Dimensions: 442 (W) x 298.25 (D) x 43.6 (H) 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
SAF51015I -JP	JP
SAF51015I	US