Network Security Appliance

CAF-0101

Fanless, compact desktop networking system based on latest Intel Atom Platform (Elkhart Lake)

Key Features

- Intel Atom x6000 SoC (Elkhart Lake, 2C or 4C)
- 1x DDR4 SO-DIMM with IBECC
- 4x GbE RJ45 Ports
- 1x mPCEe
- eMMC storage onboard, SATA 3.0 for SATADOM
- TPM support

Fanless Desktop Network with 9 Ethernet Ports
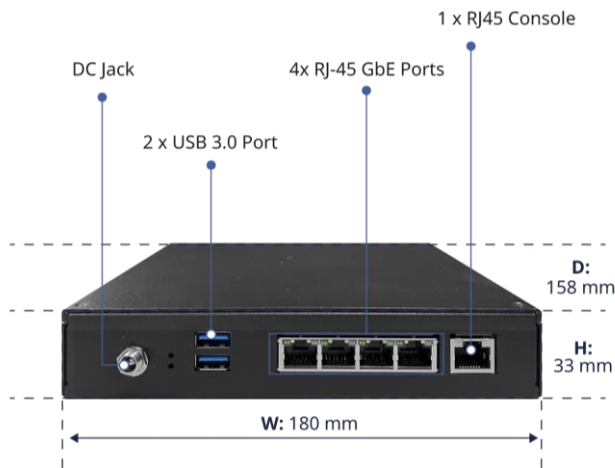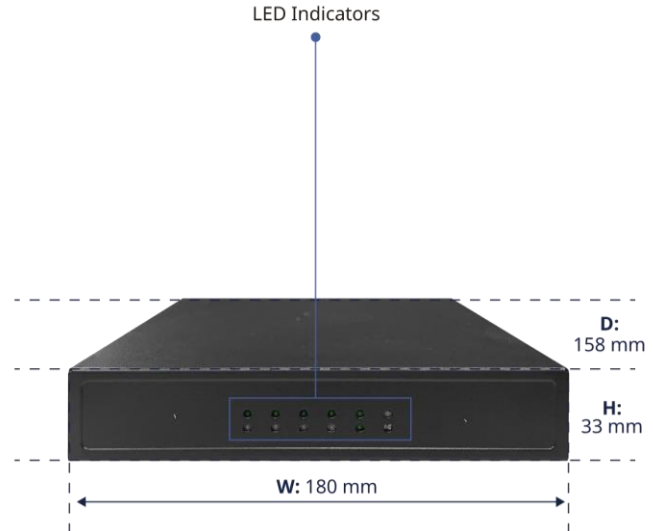
Intel Atom · DDR4 · Wi-Fi Module · LTE Module

The Portwell CAF-0101 is a fanless networking appliance in a compact desktop format. It offers superior energy efficiency in a small form factor with its new Intel Atom processor and four Gigabit Ethernet ports plus supporting Wi-Fi expansion option. The CAF-0101 works best when used for routing and other networking purposes in small to medium businesses (SMB) or small and home offices (SOHO), for example as a dedicated firewall to protect network and data against cyberattacks.

The CAF-0101 Is based on the latest Intel Atom x6000 processors ("Elkhart Lake") with two or four cores. The latest Atom series of processors using the "Tremont" microarchitecture offers 70 percent more performance in single-threaded and 50 percent more speed in multithreaded workloads than the previous generation, the widely used Atom x5- and x7-3900 "Apollo Lake" series.

Back I/O

Front I/O

Hardware Specification

Platform	
Processor	1 x Intel Atom Processor (Elkhart Lake)
System Memory	1 x DDR4 ECC SO-DIMMs
Max Memory	Up to 16GB
Ethernet Port	4 x RJ45 GbE Port(s) on board
Expansion	mPCIe full-length (PCI Express 3.0 x1) for Wi-Fi module
Storage Device	4 GB eMMC Flash memory onboard, 1 x SATA 3.0 connector for SATADOM
Power Supply	12V/36W Adapter
Dimension	180mm x 158mm x 33mm (7.2" x 6.32" x 1.32")
I/O	
Management Console	1 x RJ45 System Console Port
USB	2 x USB 3.0 Port(s)
LED	Power / PSU / HDD / Ethernet
Operation & Certifications	
Operating Environment	Temperature: 0 - 40°C (32 - 104°F), Humidity: 0 - 90% RH
Storage Environment	Temperature: -10 - 70°C (14 - 158°F), Humidity: 5 - 95% RH
OS Support	Linux