CAR-3040
Best Value for LAN Capacity and Performance

Key Features

- Intel® 4th Generation Core™ Processors
- Two DIMMs DDR3 up to 16GB
- Up to 18 GbE ports
- One expandable CASwell NIP card support
- One 3.5" or two 2.5" internal SATA HDD

The CAR-3040 is a 1U rackmount network security appliance that supports Intel® 4th generation Core i7/i5/i3 processor with Intel H81/Q87 PCH. The CAR-3040 1U network security appliance also features dual-channel 1066/1333 MHz DDR3 memory modules up to 16GB, PCIe x8 expansion (with up to two generation 3.0 bypass segments), LGA-1150 socket, up to 18 gigabit Ethernet ports, optional dual 10G SFP+LAN module, 80 Plus power supply, and 6 onboard Ethernet ports with 2 bypass segments. Design tests have shown that CASwell's CAR-3040 network security appliance is capable of increasing LAN throughput by an average of 30 percent when compared with previous generation platforms. CASwell CAR-3040 series keep high quality, flexibility, and affordable pricing just like this family's best tradition.

Support Intel® H81 and Q87 Express Chipset
The CAR-3040 is built with the latest Intel 8 series chipset. It supports maximum 16GB of unbuffered/non-ECC DDR3 memory, dual USB 3.0 ports and SATA 3 ports.

Up to 18 GbE LAN Ports
The CAR-3040 is designed for scalability and value optimization. In a 1U rackmount space, there are 6 onboard GbE ports with users can add up to 18 GbE ports via a CASwell innovative extension board design and CASwell NIP modules.

Appliance Form Factor
The length of CAR-3040 is only 292 mm, shorter than other 1U rackmount network appliances in the market.

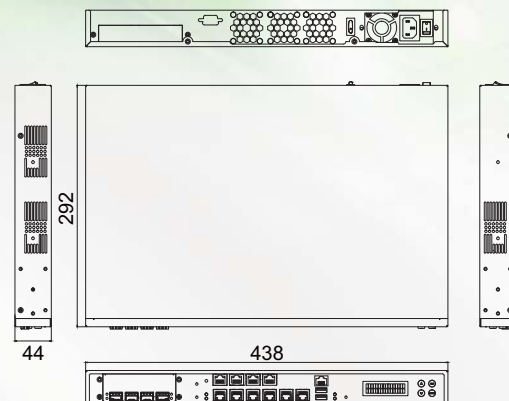### A Wide Variety of Expansion Cards
The CAR-3040 have an expansion slot for either standard PCIe interface add-on card or CASwell network modules, such as 4 ports 10GbE fiber module NIP-53040, 8 ports 1GbE copper module NIP-51080, or 8 ports 1GbE fiber module NIP-52080.

CASwell Generation 3 Bypass
The bypass function ensures important networking tasks never stop working even when the appliance experiences a software crash or power failure. The CAR-3040 comes with CASwell's latest Generation 3 Bypass. It supports several operation modes, such as Normal mode, Bypass mode, and Open mode, allowing users to adjust the Bypass setting either in BIOS or OS.

Ordering Guide

Model	Part Number	Description
CAR-3040-4620-000	AI2-5135	(R).CAR-3040-4620-000.1U.CAPB-3040VR-4620-000. 6 RJ45 GbE ports. 2 BP. ATX PSU.
CAR-3040-4621-000	AI2-5150	(R).CAR-3040-4621-000.1U.CAPB-3040VR-4621-000. 10 RJ45 GbE ports. 2 BP. ATX PSU.

H/W specification

CPU Board	Intel LGA 1150 Intel H81/Q87 PCH
System Memory	2 DDR3 Long DIMMs, up to 16GB
Ethernet Port	Up to 18 GbE RJ45
Bypass feature	4 Segments
Expansion	One PCIe x8 for CASwell NIC Module or Standard add-on card
Storage Device	Optional one 3.5" or two 2.5" SATA HDD CFEX
Serial Port	One front-access RJ45 for system console One 2x5 pin-header for EZIO
LCD Panel	2x16 characters or 128x32 graphic LCD module with 4 buttons
USB	Dual USB 3.0
Power	80Plus 250W full-range ATX
Dimension	438(W) x 292.1(D) x 44(H) mm 17.25"(W) x 11.5"(D) x 1.73"(H)
Operating Environment	Temperature: 0 to 40°C (32 to 104°F) Humidity 20% to 90%RH @ 55°C
Storage Environment	Temperature: -10 to 70°C (14 to 158°F) Humidity 5% to 95%RH @ 55°C
Certification	CE/FCC