

Network Security & Management

CAR-2080

Intel Coffee Lake Platform, 1U Network Appliance



Key Features

- Intel Coffee Lake / Coffee Lake Refresh Desktop Processor
- 1 x front-access Portwell NIC Module supported
- 2 x DDR4 2666MHz UDIMMs up to 64GB
- 2x USB 3.0, 1x RJ45 Console supported
- 2x Pair Bypass 3.0 supported
- 6x GE RJ45 supported (6x Intel i210-AT, co-layout with i211-AT)



Optional CPUs

Optional CPUs				
Models	Core/Threads	Frequency(Max)	Cache	TDP
Core i7-8700	6C/12T	3.2GHz (4.6GHz)	12M	65W
Core i7-8700T	6C/12T 6C/6T	2.4GHz (4.0GHz)	12M	35W
Core i5-8500	6C/6T 4C/4T	3.0GHz (4.1GHz)	9M	65W
Core i5-8500T	4C/4T 2C/4T	2.1GHz (3.5GHz)	9M	35W
Core i3-8100	2C/4T 2C/2T	3.6GHz 3.1GHz	6M	54W
Core i3-8100T	2C/2T	3.7GHz 3.1GHz	6M	35W
Pentium G5400		3.1GHz 2.9GHz	4M	54W
Pentium G5400T			4M	35W
Celeron G4900			2M	54W
Celeron G4900T			2M	35W

Hardware Specification

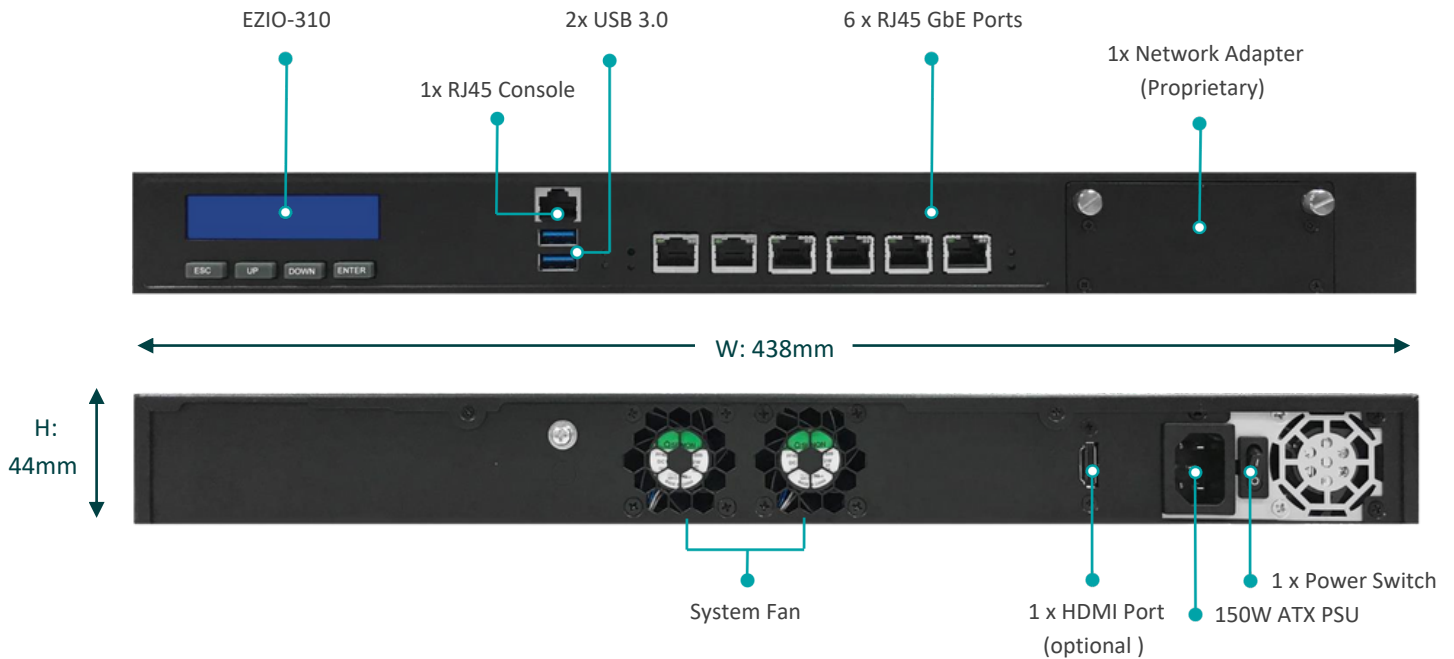
	SKU A	SKU B
Platform		
Processor	Intel® Core™ i7/i5/i3, Pentium® or Celeron® Processor (Coffee Lake/Coffee Lake Refresh)	
Chipset	Intel H310 PCH	Intel C246 PCH
System Memory	2 x DDR4 2666MHz UDIMMs, up to 64GB	2 x DDR4 ECC 2666MHz UDIMMs, up to 64GB (ECC support only on C246)
Ethernet Port	6 x RJ45 GbE Ports on board 2 segments on board	6 x RJ45 GbE Ports on board 4 x SFP7RJ45 GbE Ports on board
Bypass		
Expansion	Up to 1 PCIe Gen3 x 8 for Portwell 3 x SATA 3.0 HDDs	Up to 1 PCIe Gen3 x 8 for NIC Module Up to 1 PCIe Gen3 x 4 for upper daughter board
Storage Device	1 x M.2 B Key (SATA 3.0) 150W ATX PSU	
Power Supply	System: 438mm x 292mm x 44mm (Single PSU)	
Dimension (WxDxH)	System with package: 680mm x 430mm x 200mm System: 6.3kg	
Weight (KG)	System with package: 7.3kg	
I/O		
Serial Port		
USB Port	1 x RJ-45 System Console Port	
LCD Panel	2 x USB 3.0 Ports	
LED	128 x 32/64 Graphic, 2 x 16 Characters	
Operation & Certifications	Power / HDD / Bypass	
Operating Environment	Temperature: 0 - 40°C (32 - 104°F) Humidity: 20 - 90% RH	
Storage Environment	Temperature: -10 - 70°C (14 - 158°F) Humidity: 5 - 95% RH @ 55°C	
Certification	CE/FCC	
OS Support	Linux Kernel	

Ordering Information

System		
CW P/N	Description	Remark
AI2-5542	(R).ATO.CAR-2080-5620-000. CAPB-2080VR-5620-000. Coffee Lake. PCIe x8 GF. 2x DDR4 UDIMM. HDMI HEADER. Intel H310.6xGE RJ45. 2BP 3.0. 2x USB 3.0. EZIO-310. 3x SATA 3.0. M.2 SATA 3.0	- H310 mainboard 2.5"/3.5" HDD or 2.5" SSD - NIP (Ethernet module) - EZIO310
AI2-5537	(R).ATO. CAR-2080-5621-000. CAPB-2080VR-5621-000. CB-2080-0.Coffee Lake. PCIe x8 GF. 2x DDR4 UDIMM. HDMI HEADER. Intel C246.6xGB RJ45. 4xGB SFP 2BP 3.0. 2x USB 3.0. EZIO-310. 3x SATA 3.0. M.2 SATA 3.0	- C246 mainboard - Upper Ethernet daughter board, 4x GB SFP 2.5"/3.5" HDD or 2.5" SSD - NIP (Ethernet module) - EZIO310
AI2-5553	(R).ATO.CAR-2080-5622-000. CAPB-2080VR-5622-000. CB-2080-1.Coffee Lake. PCIe x8 GF. 2x DDR4 UDIMM. HDMI HEADER. Intel C246.6xGE RJ45. 4XGB RJ45. 2BP 3.0. 2x USB 3.0. EZIO-310. 3x SATA 3.0. M.2 SATA 3.0	- C246 mainboard - Upper Ethernet daughter board, 4x GB RJ45 2.5"/3.5" HDD or 2.5" SSD - NIP (Ethernet module) - EZIO310

Panel & Dimensions

H310 SKU



C246 SKU

