

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 CASwell 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 | 2.4GHz (4.0GHz) | 12M | 35W |
| Core i5-8500 | 6C/6T | 3.0GHz (4.1GHz) | 9M | 65W |
| Core i5-8500T | 6C/6T | 2.1GHz (3.5GHz) | 9M | 35W |
| Core i3-8100 | 4C/4T | 3.6GHz | 6M | 54W |
| Core i3-8100T | 4C/4T | 3.1GHz | 6M | 35W |
| Pentium G5400 | 2C/4T | 3.7GHz | 4M | 54W |
| Pentium G5400T | 2C/4T | 3.1GHz | 4M | 35W |
| Celeron G4900 | 2C/2T | 3.1GHz | 2M | 54W |
| Celeron G4900T | 2C/2T | 2.9GHz | 2M | 35W |

Hardware Specification

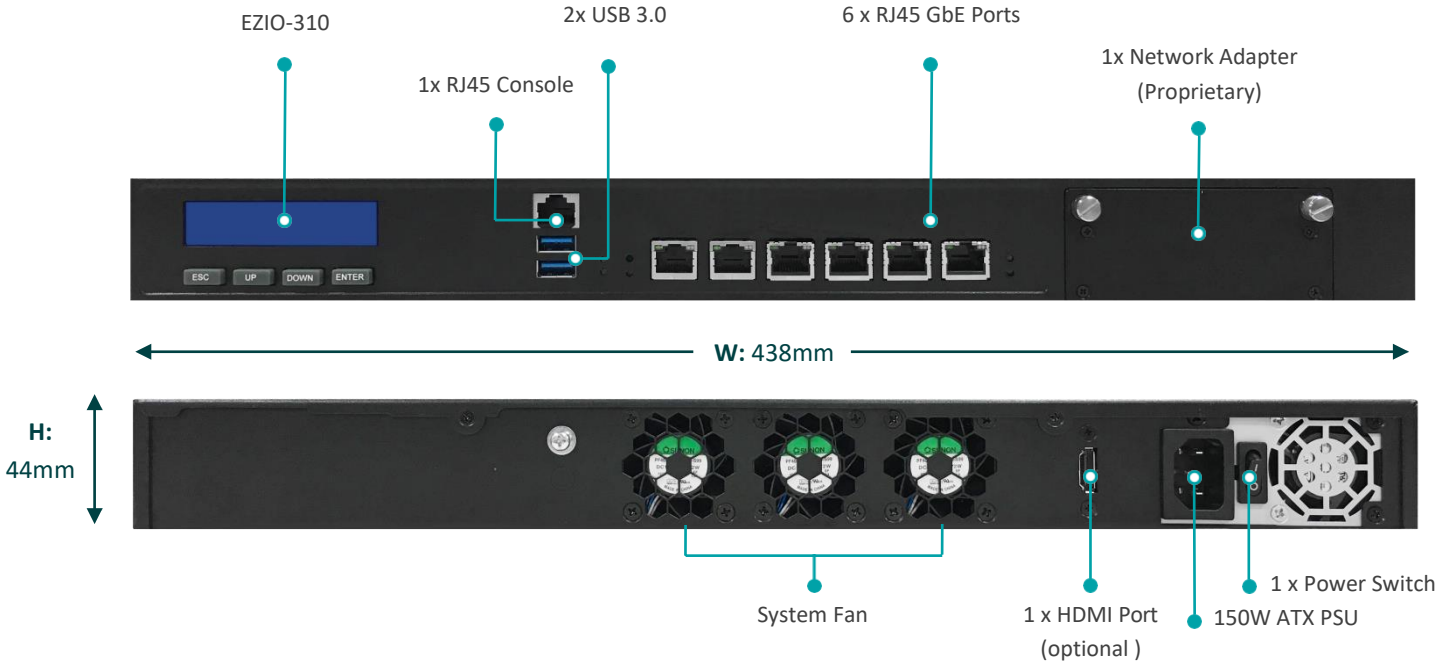
| | SKU A | SKU B |
|---------------------------------------|---|--|
| Platform | | |
| Processor | Intel® Core™ i7/i5/i3, Pentium® or Celeron® Processor (Coffee Lake/Coffee Lake Refresh) | |
| Chipset | Intel H310 PCH | Intel C246 PCH |
| System Memory | 2 x DDR4 2666MHz UDIMMs, up to 64GB | 2 x DDR4 ECC 2666MHz UDIMMs, up to 64GB (ECC support only on C246) |
| Ethernet Port | 6 x RJ45 GbE Ports on board | 6 x RJ45 GbE Ports on board 4 x SFP/RJ45 GbE Ports on board |
| Bypass | 2 segments on board | |
| Expansion | Up to 1 PCIe Gen3 x 8 for CASwell NIC Module | Up to 1 PCIe Gen3 x 8 for CASwell NIC Module Up to 1 PCIe Gen3 x 4 for upper daughter board |
| Storage Device | 3 x SATA 3.0 HDDs 1 x M.2 B Key (SATA 3.0) | |
| Power Supply | 150W ATX PSU | |
| Dimension (WxDxH) | System: 438mm x 292mm x 44mm (Single PSU) System with package: TBD | |
| Weight (KG) | System: TBD System with package: TBD | |
| I/O | | |
| Serial Port | 1 x RJ-45 System Console Port | |
| USB Port | 2 x USB 3.0 Ports | |
| LCD Panel | 128 x 32/64 Graphic, 2 x 16 Characters | |
| LED | Power / HDD / Bypass | |
| Operation & Certifications | | |
| 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 | <ul style="list-style-type: none"> H310 mainboard 2.5" HDD or 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 | <ul style="list-style-type: none"> C246 mainboard Upper Ethernet daughter board, 4x GB SFP or RJ45 2.5" HDD/SSD NIP (Ethernet module) EZIO310 |

Panel & Dimensions

H310 SKU



C246 SKU

