

Edge Computing & Fog Computing

CAF-0251

Intel Apollo Lake Platform.
The Compact Product Suitable for
SDN, NFV (vCPE & SD-WAN), and
Security Applications.



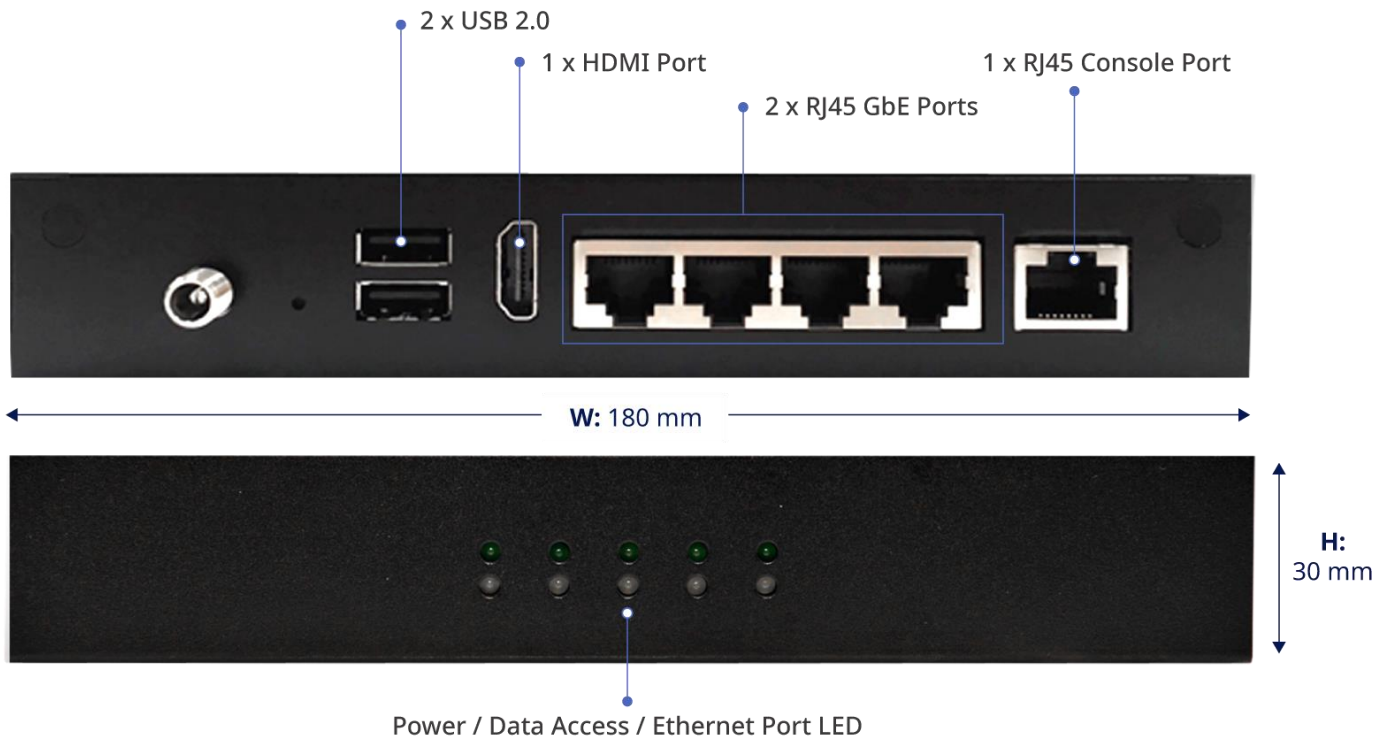
Key Features

- Intel SoC Celeron N3350 (Apollo Lake Platform)
- Fanless Desktop System Design
- DDR3 1600MHz Memory Support (On-board)
- 1 x eMMC Support (On-board)
- Wi-Fi 802.11ac (Client Mode) Function Support (Optional)
- 4 x GbE RJ45 Ethernet Ports
- 1 x HDMI Ports (Optional)

Fanless Network Appliance with High-performance Processor



CASwell, Inc., announces the new CAF-0251 fanless network security desktop appliance that utilizes the latest Intel Atom Celeron N3350 processor solution to provide lower power consumption and dual core performance. Among its many features, CAF-0251 includes 2GB onboard memory, 4 GB eMMC, 4 Ethernet ports with Intel LAN chip solution, expansion capabilities via one USB 2.0 socket for Wi-Fi, HDMI support and two half-cut holes to house antenna. The Intel CPU and GPU engines that drive CAF-0251 demonstrate a significant improvement in performance over the previous generation. The Intel Celeron N3350 is a dual-core SoC that runs at 1.1-2.4 GHz (Burst) and is based on the Apollo Lake platform. Like the Braswell predecessor, the chip is manufactured in a 14-nm process (P1273) with FinFETs. Besides two CPU cores, the chip also includes a DirectX 12 capable GPU as well as a DDR3L/LPDDR3/LPDDR4 memory controller (dual-channel, up to 1866/2400 MHz). It boasts performance gains of around 30 percent over its predecessor.



Hardware Specification

Platform	
Processor	Intel Celeron Processor N3350 (Apollo Lake)
System Memory	1 x DDR3L 1600MHz SO-DIMM, 2GB on board
Ethernet Port	4 x RJ45 GbE Ports on board (Intel i211)
Expansion	1 x Wi-Fi Module
Storage Device	1 x SATA 3.0 Connector for SATA DOM (Optional) 1 x 4GB eMMC on-board
Power Supply	24W Adapter
Dimension (WxDxH)	180mm x 130mm x 30mm
I/O	
Serial Port	1 x RJ-45 System Console Port
USB Port	1 x USB 3.0 Port
Display Output	1 x HDMI Port (Optional)
LED	Power / Data Access / Ethernet
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/UL
OS Support	Linux Kernel