

Network Security & Management

# CAD-0263

## Intel® Denverton-NS Platform. SD-WAN and Security Desktop Solution



### Key Features

- Intel ATOM C3000 Series (4C to 16C, Denverton-NS)
- Intel QAT Support (Crypto and Compression/Decompression Acceleration)
- Intel AES-NI Support
- 2x DDR4 2400MHz ECC/Non-ECC SO-DIMM Memory
- 2x 10GE SFP+ Ethernet Ports (SR-IOV Support)
- 6x GE RJ45 Ethernet Ports (2 Pairs of Optional Bypass, SR-IOV Support)
- 2x PoE Ports Support (IEEE 802.3at, PoE+)
- LTE Module with SIM Support (1x M.2 Socket)
- Wi-Fi Module Support (1x mPCIe Socket)

### Wireless Communication White Box supporting Intel QAT and WiFi

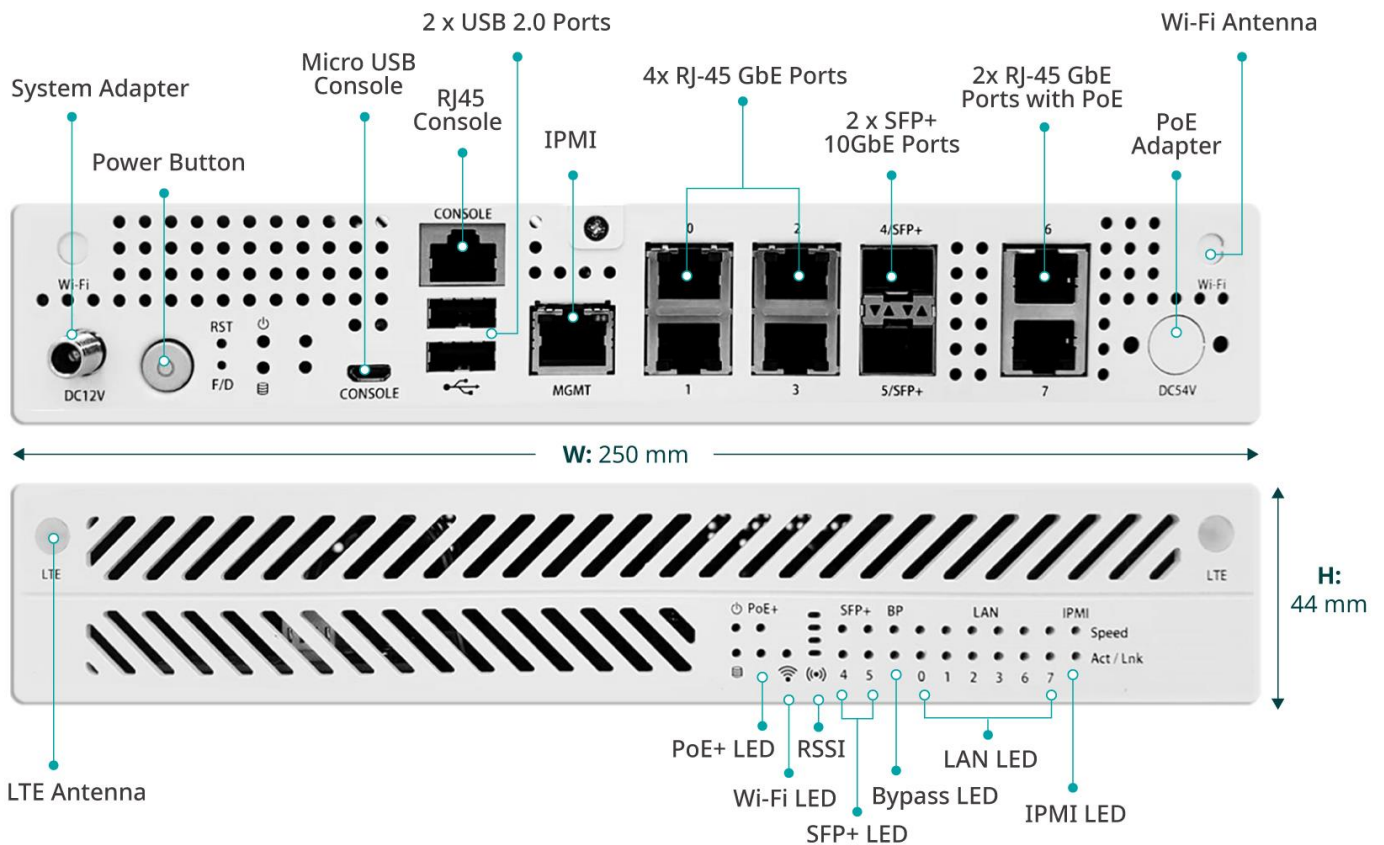
Intel  
QAT

10GbE

Wi-Fi  
Module

LTE  
Module

CASwell CAD-0263 is based on Intel Atom C3000 processors like the Atom C3758 with eight cores that also supports high-speed DDR4-2400 ECC SO-DIMM main memory. For wired networking the device can be equipped with two SFP+ 10-GbE ports and six RJ-45 GbE ports with optional Bypass functionality in case of network failure. For wireless connections there is one mPCIe port onboard for a WiFi module, one M.2 socket for a LTE module plus SIM card and two antennas each for both mobile connections. A "Trusted Platform Module" (TPM) for encryption, authentication and digital rights management is also available for the CAD-0263 and the whole system can be monitored by the "Intelligent Platform Management Interface" (IPMI 2.0).



### Hardware Specification

|                                       |  |
|---------------------------------------|--|
| <b>Platform</b>                       |  |
| <b>Processor</b>                      | Intel® Atom Processor C3758/C3558 SoC (Denverton-NS)                               |
| <b>System Memory</b>                  | 2 x DDR4 ECC 2400MHz SO-DIMMs, up to 32GB  |
| <b>Ethernet Port</b>                  | 2 x SFP+ 10GbE Ports ; 6 x RJ45 GbE Ports  |
| <b>Bypass</b>                         | 2 segments on board  |
| <b>Expansion</b>                      | Up to 1 mPCIe Slot for Wi-Fi Module<br>Up to 1 M.2 Slot for 4G LTE Module          |
| <b>Storage Device</b>                 | 1 x SATADOM (Optional)<br>1 x mSATA (Optional)<br>1 x 2.5" SATA HDD/SSD (Optional) |
| <b>Power Supply</b>                   | 60W Adapter  |
| <b>Dimension (WxDxH)</b>              | 250mm x 252mm x 44mm   |
| <b>I/O</b>                            |  |
| <b>Serial Port</b>                    | 1 x RJ-45 GbE Ports (RS232)  |
| <b>USB Port</b>                       | 2 x USB 2.0 Ports  |
| <b>LED</b>                            | Power / DATA Access / Bypass / RSSI / Wi-Fi / Ethernet / PoE / IPMI                |
| <b>LOM</b>                            | IPMI 2.0 w/ GbE speed  |
| <b>Operation &amp; Certifications</b> |  |
| <b>Operating Environment</b>          | Temperature: 0 - 40°C (32 - 104°F)<br>Humidity: 10 - 90% RH                        |
| <b>Storage Environment</b>            | Temperature: -10 - 70°C (14 - 158°F)<br>Humidity: 5 - 95% RH @ 55°C                |
| <b>Certification</b>                  | CE/FCC/UL  |
| <b>OS Support</b>                     | Linux Kernel   |