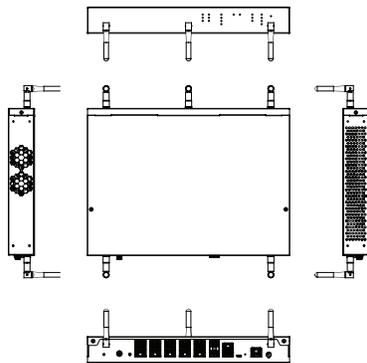


# CAD-0255

Intel® Xeon D Broadwell DE Platform. Suitable for SDN, NFV (vCPE & SD-WAN) and Security Applications.



## Features

- Intel® Xeon D Processor
- Flexible CPU SKU Support (From 2 Cores to 16 Cores)
- 2 x DDR4 ECC SO-DIMM, Supports up to 64GB
- Optional Wi-Fi (802.11ac) and 4G LTE Wireless Network Function
- Secure Boot via UEFI or TPM Module
- Optional GbE Speed IPMI V2.0 Module



## System Panel

|             |  |
|-------------|--|
| Serial Port | Micro USB System Console                               |
| LCD Panel   | N/A  |
| LED         | Power / RSSI / Wi-Fi<br>BMC Mgmt. / Storage / Ethernet |
| USB         | 1 x USB 3.0  |
| Display     | Via LOM Module (Optional)                              |
| LOM         | IPMI 2.0 w/ GbE Speed (Optional)                       |
| Power       | 90Watt/120Watt Adapter                                 |

## Specification

|                |  |
|----------------|--|
| CPU            | Intel® Xeon D Processor  |
| PCH/Chipset    | Intel Crypto Chip (QAT)  |
| System Memory  | 2xDDR4 ECC SO-DIMMs, support up to 64GB  |
| Ethernet Port  | 2 x SFP+ 10GbE Ports / 4 x RJ-45 GbE Ports<br>6 x RJ45 GbE Ports (Switch)<br>1 x RJ45 GbE Port (LOM, Optional) |
| Bypass         | N/A  |
| Expansion      | 1 x Wi-Fi Module / 1 x LTE Module/1 x TPM Module<br>1 x SATADOM (Optional)                                     |
| Storage Device | 1 x M.2 SATA 3.0 SSD (Optional)<br>1 x 2.5" SATA HDD/SSD (Optional)  |
| Dimension      | 325 (W) x 236.8 (D) x 41(H)mm<br>12.80"(W) x 9.32"(D) x 1.69"(H)   |

## Operation

|                       |   |
|-----------------------|---|
| Operation Environment | Temp: 0 to 40°C (32 to 104°F)<br>20 to 90% RH         |
| Storage Environment   | Temp: -10 to 70°C (14 to 158°F)<br>5 to 95% RH @ 55°C |
| Certification         | CE / FCC / UL   |
| OS Support            | Linux Kernel  |

## Optional CPUs

| Models        | Core/Threads | Frequency(Max)  | Cache | TDP |
|---------------|--------------|-----------------|-------|-----|
| Xeon D-1587   | 16C/32T      | 1.7GHz (2.3GHz) | 24MB  | 65W |
| Xeon D-1577   | 16C/32T      | 1.3GHz (2.1GHz) | 24MB  | 45W |
| Xeon D-1571   | 16C/32T      | 1.3GHz (2.1GHz) | 24MB  | 45W |
| Xeon D-1567   | 12C/24T      | 2.1GHz (2.7GHz) | 18MB  | 65W |
| Xeon D-1559   | 12C/24T      | 1.5GHz (2.1GHz) | 18MB  | 45W |
| Xeon D-1557   | 12C/24T      | 1.5GHz (2.1GHz) | 18MB  | 45W |
| Xeon D-1540   | 8C/16T       | 2.0GHz (2.6GHz) | 12MB  | 45W |
| Xeon D-1541   | 8C/16T       | 2.1GHz (2.7GHz) | 12MB  | 45W |
| Xeon D-1548   | 8C/16T       | 2.0GHz (2.6GHz) | 12MB  | 45W |
| Xeon D-1539   | 8C/16T       | 1.6GHz (2.2GHz) | 12MB  | 35W |
| Xeon D-1537   | 8C/16T       | 1.7GHz (2.3GHz) | 12MB  | 35W |
| Xeon D-1531   | 6C/12T       | 2.2GHz (2.7GHz) | 9MB   | 45W |
| Xeon D-1528   | 6C/12T       | 1.9GHz (2.5GHz) | 9MB   | 35W |
| Xeon D-1529   | 4C/8T        | 1.3GHz (1.3GHz) | 6MB   | 20W |
| Xeon D-1527   | 4C/8T        | 2.2GHz (2.7GHz) | 6MB   | 35W |
| Xeon D-1520   | 4C/8T        | 2.2GHz (2.6GHz) | 6MB   | 45W |
| Xeon D-1521   | 4C/8T        | 2.4GHz (2.7GHz) | 6MB   | 45W |
| Xeon D-1518   | 4C/8T        | 2.2GHz (2.2GHz) | 6MB   | 35W |
| Pentium D1519 | 4C/8T        | 1.5GHz (2.1GHz) | 6MB   | 25W |
| Pentium D1517 | 4C/8T        | 1.6GHz (2.2GHz) | 6MB   | 25W |
| Pentium D1509 | 2C/2T        | 1.5GHz          | 3MB   | 19W |
| Pentium D1508 | 2C/4T        | 2.2GHz (2.6GHz) | 3MB   | 25W |
| Pentium D1507 | 2C           | 1.2GHz          | 3MB   | 20W |