

# ECA-4025

Short Depth Chassis Edge Computing Appliance with Intel Xeon® D-2100 Multi-core Processor (Codenamed Skylake-DE)



Images are for reference only. See ordering information for SKU details.

## Features

- Intel® Xeon D-2100 8/12/14/16 Cores Processor
- Short Depth Chassis and Wide Operating Temperature -40~65°C
- 2x DDR4 2667 MHz REG, ECC RDIMM, Max. 64GB
- Front Access I/O with 1x GbE RJ45 IPMI, 8x 10G SFP+, 1x RJ45 Console, 1x USB 3.0 and Front Fan Replacement
- 4x 2.5" Internal HDD/SSD Bays, 1x M.2 NVMe 2280 M key
- 1x PCI-E\*16 FH/HL slot for FPGA or GPU cards (Max. up to 75W)
- Intel® QuickAssist Technology

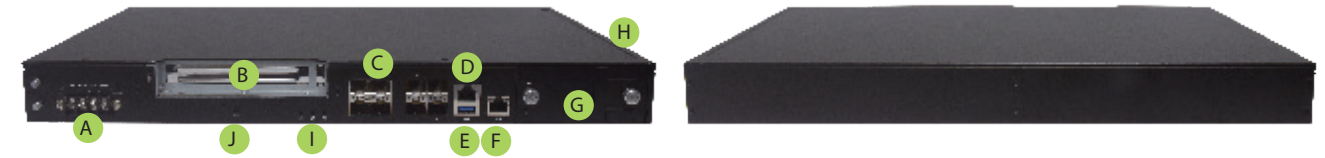
## Specifications

Platform	
Form Factor	1U 19" Rackmount
Processor Options	Intel® Xeon® D2100 8/12/14/16 Cores
CPU Socket	1 x Onboard
Chipset	N/A
Security Acceleration	Intel® QuickAssist Technology
BIOS	AMI SPI Flash BIOS
System Memory	
Technology	DDR4 2666MHz REG DIMM
Max. Capacity	64GB
Socket	2 x 288-pin DIMM
Networking	
Ethernet Ports	1 x GbE RJ45 and 8 x 10G SFP+
Bypass	N/A
NIC Module Slot	N/A
LOM	
IO Interface	1x GbE RJ45 via NCSI
OPMA Slot	N/A, onboard BMC chip
I/O Interface	
Reset Button	1 x Reset button (Default SW reset)
LED	Power/Status/Storage
Power Button	N/A
Console	1 x RJ45
USB	1 x USB 3.0
LCD Module	N/A
Display	N/A
Power Input	Dual DC power inlet
Storage	
HDD/SSD Support	4 x 2.5" Internal
Onboard Slots	1 x M.2 NVMe 2280 M key

Expansion	
PCIe	1 x PCI-E*16 FH/HL (GPU support by project)
mini-PCIe	N/A
SIM Card Slot	N/A
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Yes, IAC-TPM04A Module
Cooling	
Processor	Passive CPU Heatsink
System	5 x smart fans
Temperature	-40~65°C Operating -40~70°C Non-Operating
Humidity (RH)	5~95% Operating 5~95% Non-Operating
System Dimensions	
(WxDxH)	438x300x44 mm
Weight	5 kg
Package Dimensions	
(WxDxH)	555x479x179 mm
Weight	7.2 kg
Power	
Type / Watts	400W
Input	-57 VDC ~ -40VDC dual input feed
Certification	
Approvals and Compliance	CE/FCC Class A, UL
OS Support	Linux

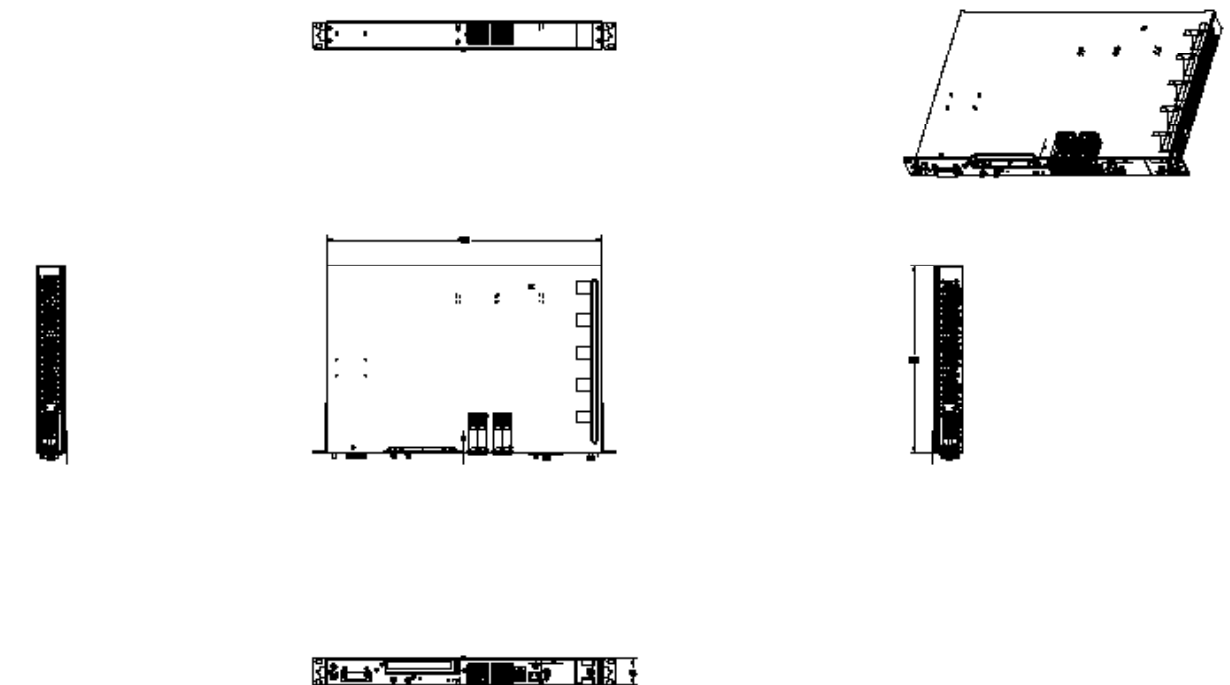
## Product I/O View

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- A Dual DC input
- B PCI-E\*16 FH/HL slot
- C 8 x 10G SFP+
- D Console
- E 1 x USB 3.0
- F IPMI
- G Front Access Fan replacement
- H Cooling Fans
- I Status LEDs
- J Reset button

## Dimensions (WxDxH) 438 x 300 x 44 mm



## Ordering Information

- ECA-4025A Open RAN Appliance with Intel Xeon 16C D-2187NT w/ QAT, 1x GbE RJ45, 8x 10G SFP+, 1x PCIe expansion slot
- ECA-4025B Open RAN Appliance with Intel Xeon 14C D-2177NT w/ QAT, 1x GbE RJ45, 8x 10G SFP+, 1x PCIe expansion slot
- ECA-4025C Open RAN Appliance with Intel Xeon 12C D-2166NT w/ QAT, 1x GbE RJ45, 8x 10G SFP+, 1x PCIe expansion slot
- ECA-4025D Open RAN Appliance with Intel Xeon 8C D-2145NT w/ QAT, 1x GbE RJ45, 8x 10G SFP+, 1x PCIe expansion slot