

ECA-4035

High Performance Edge Computing Appliance
With Intel Xeon® D-2800 Series Multi-core
Processor (Codename Ice Lake D)



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

■ Features

- Intel® Xeon® D2700/2800 8~22 Cores
- 4x DDR4 3200/2933MHz REG RDIMM, Max. 256GB
- 8x 10G SFP+, 2x 25G SFP28, 2x GbE RJ45, 2x USB 3.0
- 1x RJ45 Console, 2x 2280 M.2 (1x NVMe & 1x SATA)
- -40~65°C Operating Temperature (SKU B/C/E)
- 1x OCP 3.0, 1x PCIe*16

■ Specifications

Platform	
Form Factor	1U 19" Rackmount
Processor Options	Intel® Xeon® D2700/2800 8~22 Cores
CPU Socket	Onboard
Chipset	SoC
Security Acceleration	Intel® QuickAssist Technology (SKU A/B/D)
BIOS	AMI SPI Flash BIOS
System Memory	
Technology	DDR4 3200/2933MHz REG, RDIMM
Max. Capacity	256GB
Socket	4x 288-pin DIMM 2x 288-pin DIMM (SKU B/C/E)
Networking	
Ethernet Ports	2x GbE RJ45 Intel® i210-AT 4x 10G SFP+, 2x 25G SFP28 4x 10G SFP+ Intel® XL710
IEEE 1588	Yes
GPS	Yes
LOM	
IO Interface	1x GbE RJ45 Via NCSI
OPMA Slot	Yes
I/O Interface	
Reset Button	1x Reset Button
LED	Power/Status/Storage
Power Button	Yes
Console	1x RJ45
USB	2x USB 3.0
LCD Module	N/A
Display	N/A
Power Input	AC Power Inlet On PSU Or Single DC Power Inlet (By SKU)
Storage	
HDD/SSD Support	2x 2.5" Internal (SKU A/D)

Onboard Slots	1x M.2 NVMe 2280 M Key 1x M.2 SATA 2280 M key
Expansion	
PCIe	1x FHFL (PCIe*16, Double Width, 350W) 1x OCP 3.0 Slot
Mini-PCIe	N/A
SIM Card Slot	N/A
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Optional
Cooling	
Processor	Passive CPU Heatsink
System	8 x Or 6 x Smart Fans (By SKU)
Temperature	SKU A/D: 0~40°C Operating SKU B/C/E: -40~65°C Operating -40~70°C Non-Operating
Humidity (RH)	5~95% Operating 5~95% Non-Operating
System Dimensions	
(WxDxH)	438 x 382.2 x 44 mm
Weight	10.7 kg
Package Dimensions	
(WxDxH)	585 x 500 x 190 mm
Weight	12.06 kg
Power	
Type / Watts	600W Or 800W
Input	AC 90~264V @47~63Hz (SKU A/B/C/D) DC -57V _{DC} ~-40V _{DC} (SKU E)
Certification	
Approvals and Compliance	CE/FCC Class A, UL, RoHS
OS Support	Linux

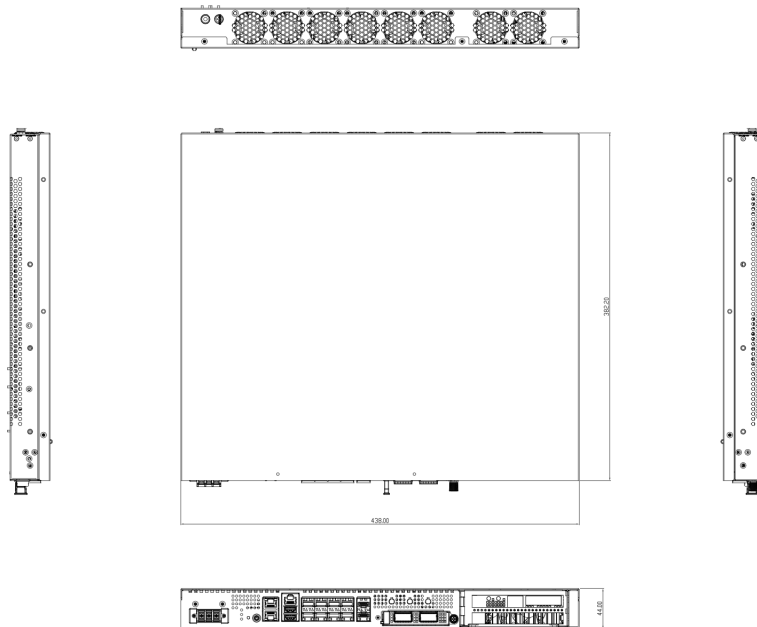
Product I/O View

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|---------------------------|-------------------------------------|------------------------------|
| A Power Supply | E 2x USB 3.0 | I PCIe Expansion Slot |
| B Power On/Off | F 8x 10G SFP+ & 2x 25G SFP25 | J Cooling Fans |
| C Management Ports | G GPS/ 1pps In/ 1pps Out | |
| D Console Port | H OCP 3.0 Slot | |

Dimensions (WxDxH) 438 x 382.2 x 44 mm



Ordering Information

ECA-4035A	Intel Xeon 20C D2798NT With QAT, 4x DDR4 3200MHz, 2x GbE RJ45, 8x 10G SFP+, 2x 25G SFP28, 1x PCIe Slot, 1x OCP3.0 NIC, 2x 2280 M.2, 2 x 2.5" SATA Storage, 600W PSU, 0~40 Operating Temp
ECA-4035B	Intel Xeon 18C D2786NTE With QAT, 2x DDR4 2933MHz, 2x GbE RJ45, 8x 10G SFP+, 2x 25G SFP28, 1x PCIe Slot, 1x OCP3.0 NIC, 2x 22880 M.2, 600W PSU, -40~65 Operating Temp
ECA-4035C	Intel Xeon 20C D2896TER, 2x DDR4 2933MHz, 2x GbE RJ45, 8x 10G SFP+, 2x 25G SFP28, 1 x PCIe Slot, 1x OCP3.0 NIC, 2x 2280 M.2, 600W PSU, -40~65 Operating Temp
ECA-4035D	Intel Xeon 22C D2899NT With QAT, 4x DDR4 3200MHz, 2x GbE RJ45, 8x 10G SFP+, 2x 25G SFP28, 1x OCP3.0 NIC, 2x 2280 M.2, 2x 2.5" SATA Storage, 600W PSU, 0~40 Operating Temp

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