

ECA-4027

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 12/16 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+, 2 x 40G QSFP+, 1x RJ45 Console, 1x USB 3.0 and Front Fan Replacement
- 2x 2.5" Internal HDD/SSD Bays, 2x M.2 NVMe 2280 M key
- 1x PCI-E*16 FH/HL slot for FPGA or GPU cards (Max. up to 75W)
- Optional G.8272 T-GM Compliant IEEE 1588v2 SynE, onboard GPS

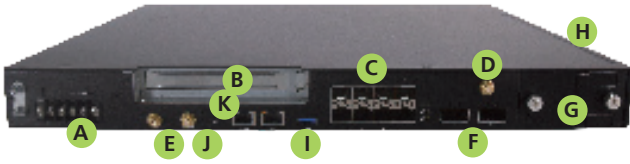
■ Specifications

Platform	
Form Factor	1U 19" Rackmount
Processor Options	Intel® Xeon® D2100 12/16 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 (i210/BMC) and 8 x 10G SFP+, 2 x 40G QSFP+ (BCM56172 onboard)
IEEE 1588	Optional
GPS	Onboard
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	1
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	2 x 2.5" Internal
Onboard Slots	2 x M.2 NVMe 2280 M key

Expansion	
PCIe	1 x PCI-E*16 FH/HL, support 75W device (by project)
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	5 x smart fans
Temperature	-40~65°C or 0°C~40°C Operating (By SKU) -40~70°C Non-Operating
Humidity (RH)	5~95% Operating 5~95% Non-Operating
System Dimensions	
(WxDxH)	438x371x44 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

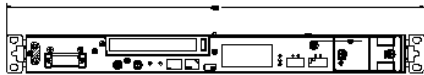
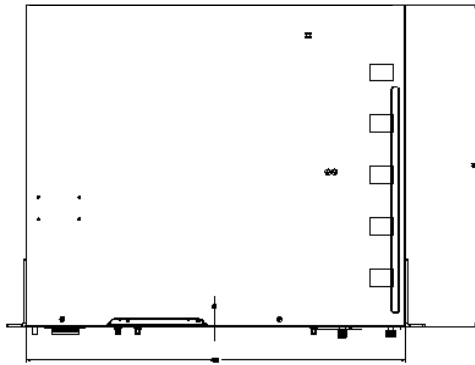
Product I/O View

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|------------------------|---------------------------------|---------------------------------------|-----------------------|
| A Dual DC input | D GPS | G Front Access Fan replacement | J Power button |
| B PCI-E*16 slot | E 1588 Sync Cascade Jack | H Cooling Fans | K Reset button |
| C 8 x 10G SFP+ | F 40G QSFP+ | I Status LEDs | |

Dimensions (WxDxH) 438 x 371 x 44 mm



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Ordering Information

ECA-4027A	Intel Xeon 16C D-2187NT With QAT, 1x GbE RJ45, 8x 10G SFP+, 2x 40G QSFP+, 1x PCIe Slot, DC Power Dual Inlet, -40°C~65°C Wide Temp Support
ECA-4027B	Intel Xeon 12C D-2166NT With QAT, 1x GbE RJ45, 8x 10G SFP+, 2x 40G QSFP+, 1x PCIe Slot, DC Power Dual Inlet, -40°C~65°C Wide Temp Support
ECA-4027C	Intel Xeon 16C D-2187NT With QAT, 1x GbE RJ45, 8x 10G SFP+, 2x 40G QSFP+, 1x PCIe Slot, AC Power, 0°C~40°C Temp Support
ECA-4027D	Intel Xeon 12C D-2166NT With QAT, 1x GbE RJ45, 8x 10G SFP+, 2x 40G QSFP+, 1x PCIe Slot, AC Power, 0°C~40°C Temp Support
IEEE1588 TIMING MODULE KIT	IEEE1588 TIMING MODULE KIT for ECA-4027

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