



RCC-VE Rackmount Appliance

Intel® Atom C2000 x86 Rackmount Appliance with 4 or 6 RJ45 GbE Ports

Product Description

Silicom's RCC-VE is a low cost Mini-IXT edge device based on the Intel Atom C2000 for OEMs taking intelligent, virtualized CPE, security, small cell, or other edge products to market.

With the support of the Intel Edge Cloud SDK, RCC-VE offers a comprehensive environment for rapid development of innovative virtualized applications and services at the network edge with reduced time to market.



Key Features

- Intel Atom C2000 Appliance for Network Edge, Virtual CPE, NFV
- 19" 1U Enclosure
- 6x RJ45 1G or 4x SFP + 2x RJ45 1G Ethernet
- 2x mPCIe
- mSATA
- eMMC flash storage on board
- Single or Dual Redundant -48VDC or AC Power Inputs



Technical Specifications

General Technical Specifications	
Form Factor:	19" 1U
CPU:	Intel® Atom™ C2358 (2x 1.7 GHz, 1MB cache, 7W, QuickAssist, AES-NI) Intel® Atom™ C2558 (4x 2.4 GHz, 2MB cache, 15W, QuickAssist, AES-NI) Intel® Atom™ C2758 (8x 2.4 GHz, 2MB cache, 20W, QuickAssist, AES-NI)
DRAM:	2GB, 4GB, 8GB or 16GB DDR3L up to 1600MT/s, Memory down (not user expandable), optional ECC
Ethernet:	2x RJ45 via Intel i211 + 4x RJ45 via Intel i354 on-chip (All SKUs except VE-xxx1) 2x RJ45 via Intel i211 + 4x SFP via Intel i354 on-chip (VE-xxx1 only)
Storage:	eMMC on-board: 4, 8, 16, 32, or 64GB

	mSATA slot for expansion
I/O Connectors:	USB 2.0 host (2x) Up to 2x SATA3 Up to 3x SATA2 MiniPCI Express 2x (1x with micro-SIM slot) (Not present on VE-xxx1 SKUs)
Console:	Serial over Mini-USB
Management:	On-board IPMI + NC-SI based board management controller (VE-xxx1 only)
Boot Loader:	CoreBoot / SeaBIOS
Power:	Single or Dual Redundant AC or DC power inputs DC Input Option AC Input Option
Operating Temperature:	0-45C
Certifications:	FCC Part 15 Class B CE Class B IC Class A IEC-60950 RoHS/WEEE

Order Information

P/N	Description
80500-0110-G00	<ul style="list-style-type: none"> - C2358 CPU (2x 1.7 GHz + QuickAssist, AES-NI) - 2GB DDR3L - 4x SFP Gb Ethernet + 2x RJ45 Gb Ethernet (all Intel based) - 16GB eMMC - Mini-USB console - mSATA - 2x USB 2.0 host - IPMI 2.0 board management controller - 19" 1U rackmount enclosure - Dual Redundant DC and AC input options: -36V to -72VDC or 90-254VAC 50/60Hz
Your Custom Desktop Network Appliance	<ul style="list-style-type: none"> - Your choice of RCC-VE board (standard or custom configurations) - Your branding, user literature, software pre-loading - Your choice of desktop enclosure (ADI standard anodized aluminum or a custom metal or plastic design specific to your requirements)