C2316 based Entry-level customer premises equipment

Intel® Atom™ C2000 CPE

Product Description

Silicom's C2316 based CPE is a low cost Nano-ITX edge device based on the Intel® Atom™ C2000 for OEMs taking NFV-enabled CPE, security, small cell, or other edge products to market.

With the support of the Intel® Edge Cloud SDK, C2316 based CPE 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 Board for NFV Edge, CPE, Wireless
- Fanless
- mPCIe
- eMMC Flash Storage On Board
- 2x 1Gb Ethernet

Technical Specifications

General Technical Specifications	
Form Factor	Board: Nano-ITX 120x120mm Enclosure: 134.5 x 138.0 x 44.0 mm
CPU	Intel® Atom™ C2316 (2 Core, 1.50GHz, 1MB Cache, 7W, QuickAssist, AES-NI)
DRAM	1GB, 2GB or 4GB DDR3L 1333MT/s, memory down (non-expandable)
Ethernet	2x 1Gb Ethernet RJ45 ports
Storage	eMMC on-board 4GB to 64GB
I/O Connectors	USB 2.0 host (1x) MiniPCI Express full-length (with micro-SIM slot)
Console	Serial over Mini-USB

Boot Loader	CoreBoot / SeaBIOS
Power	12VDC via 2.5mm barrel style connector
Temperature	Fanless Operating temperature: 0-40C
Storage	-20 to 85C
Certifications	FCC Part 15 Class B CE Class B IEC-60950 RoHS/WEEE

Order Information

P/N	Description
80500-0118-G02	C2316 CPU, 2GB DDR3L, 8GB eMMC
80500-0118-G03	C2316 CPU, 4GB DDR3L, 64GB eMMC