

Multi Wireless Edge System

MEC-6300

Intel Denverton-NS Refresh

- 4xGbE and 2x10SFP+ ports
- 8 slots for modules (wireless/AI)



Key Features

- Intel Denverton-NS Refresh.
- 1 x DDR4 ECC SO-DIMMs up to 16GB.
- 5x mini-PCIe and 1x M.2 slot for wireless communication (WiFi/5G/4G)
- Support ZigBee and PON/xDSL,
- PoE++ (802.3bt), eMMC, TPM
- Operating temperature: -40 to 55°C, IP65

Flexible Edge System for all environments!

The new MEC-6300 equipped with multiple wireless connectivity options and optional AI acceleration engine - can handle most demanding tasks even in harsh environments. System utilizes latest Intel Denverton-NS Refresh CPU with increased CPU frequency to boost performance. It supports up to 16GB ECC RAM and pre-fitted (up to 32GB) eMMC for storage. Due to its extended operating temperature and fanless design with IP65 rating – MEC-6300 is ideal for outdoor use as well as factory floor and transportation applications. Wireless communication is supported by 4 outside antennas (5G) and 18 inside antennas (4G/WiFi). With its multiple expansion slots and ruggedized design, it fits perfectly for new IoT era hardware demands - starting from smart home - retails - transportation - smart city and manufacturing plants.

Intel Denverton-NS Refresh

Operating temperature -40 to 50°C with IP65



Hardware Specification

Platform	
Processor	Intel Denverton-NS Refresh – C3558(R)
System Memory	1 x DDR4 ECC SO-DIMMs up to 16GB
Ethernet Port	2x2.5GE RJ45, 2x GE RJ45, 2x SFP+/SFP ports
Expansion	5x mini-PCIe, 1xM.2, 1x 8pin (for ZigBee), 1x 40pin (for PON/xDSL)
Storage Device	eMMC up to 32GB 1 x mSATA
Security	TPM 2.0
Power Supply	1xDC in 54V
Installation	Wall mount kit
Dimension (WxDxH)	320 x 370 x 96 mm
I/O	
Serial Port	1 x RJ-45 or USB Type-C Console Port
USB Port	1 x USB 3.0 Ports
SIM Slots	(2~6) x SIM holders
LED	3x User Defined, 2xSFP, 2x GE, 2x 2.5GE
Operation & Certifications	
Operating Environment	Temperature: -40 - 55°C
Storage Environment	Temperature: -40 - 85°C Humidity: 5 - 95% RH
Certification	CE/FCC/UL/VCCI
OS Support	Linux/FreeBSD