ME1310
Far edge server series

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Mobile Edge Computing Server for wide temperature range

▶ Embedded switch with network timing solution
▶ Daisy chain configuration connects multiple DUs together
▶ Compliant with any major vRAN software
▶ More cores, more memory, increased density

POSSIBILITIES START HERE

kontron
S&T Group

ME1310
Flexible Edge Servers for rapid deployment of Telecom & 5G Services

Kontron introduces the high-performance ME1310 edge server, designed to solve restricted space and power challenges by enabling complex applications closer to the network edge.

The goal of Multi-Access Edge Computing is to decrease network congestion and improve the performance of applications by getting task processing closer to the user. Enable applications such as Radio Access Network (RAN), Artificial Intelligence, Data Caching, ultra-low latency, and high-bandwidth edge applications, among others.

▶ PRODUCT HIGHLIGHTS

- ▶ 3rd Gen Intel® Xeon® D Processor
- ▶ 2x PCIe Expansion Slots for Hardware Acceleration
- ▶ optional on-board Switch with PTP/SnycE and Ocxo holdover
- ▶ Long product lifecycle

▶ FRONT VIEW

▶ BACK VIEW

PROCESSOR	3rd Gen Intel® Xeon® D Processor
MEMORY	8x DDR4 DIMM sockets, 4 channels @ up to 3200 MHz support up to 512 GByte (8x 64 GByte)
STORAGE	Storage options: - 4x M.2-2230 (up to 512GB each) NVMe, or - 2x M.2-2230 (up to 512GB each) NVMe and 2x M.2-2280 (up to 2TB each) NVMe4x M.2-2230 (up to 512GB each) RAID 1 and 10 (Intel vROC)
NETWORKING (OPTIONS)	Switch module - 4x SFP28 and 8x SFP+ Ports (4x 25Gb or 2x 25G + 7x 10G or 12x 10G firmware configurations) - Integrated Microchip 200Gb switch (VSC7558TSN) - 4X 25GE connections to 3rd Gen Intel® Xeon® D Processor integrated NIC controller
TIMING AND SYNCHRONIZATION	SyncE & PTP with Telecom profile performance Master and Boundary Clock modes Optional advanced OCXO to support 4 hours Hold-Over requirement Connector: 1x GNSS input (optional) and 1PPS output Hosted in integrated Microchip switch and telecom PLL 3rd Gen Intel® Xeon® D Processor integrated NIC controller 1588v2 support
LOCAL DIAGNOSTIC PORTS	1x GE Copper Interface (shared Management port) (RJ-45) 1x Serial Console Port (RJ-45) 7x Dry contact alarm inputs (RJ-45) 2x USB 3.0 Interface to 3rd Gen Intel® Xeon® D Processor
PCIe EXPANSION	2x Full Height, ¾ Length PCIe slots with x16 lanes (Gen4 32 GByte/s) Max Power PCIe 150 W (i.e: 2x 75 W PCIe add-in card)
MANAGEMENT	Independent management network support Redfish API, IPMI v2.0, SNMP, Web UI and independent network connectivity (Based on AST2600) Secure Remote Management Capabilities (Encrypted firmware, boot, storage, Secure Boot, Failsafe Boot) Using TPM version 2.0 Remote access using KVM & Virtual Media In-service Firmware Upgrade capability 7x Dry contact alarm inputs through an RJ-45 jack
ENVIRONMENTAL	PSU options: - AC: 115/230 V, 50/60 Hz - DC: -48 V (-40 VDC to -57 VDC) Operating temperature: - DC version: -40 °C to 65 °C (PCIe card selection could impact operating temperature range) - AC version: -5 °C to 65 °C (PCIe card selection could impact operating temperature range) 1U x 343 mm (13.5 in) deep and designed to be mounted in a 19" standard rack Front to back air flow Certification: UL/CSA, CE, BIS, UKCA, VCCI and CCC (on demand) 10-year lifecycle support

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