ME1310
Far edge server series

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
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/SyncE and Ocxo holdover
- Long product lifecycle

FRONT VIEW

BACK VIEW
## TECHNICAL INFORMATION

<table>
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<tr>
<th>PROCESSOR</th>
<th>3rd Gen Intel® Xeon® D Processor</th>
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<td>MEMORY</td>
<td>8x DDR4 DIMM sockets, 4 channels @ up to 3200 MHz support up to 512 GByte (8x 64 GByte)</td>
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| 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) NVMe  
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) (RI-4S)  
1x Serial Console Port (RI-4S)  
7x Dry contact alarm inputs (RI-4S)  
2x USB 3.0 Interface to 3rd Gen Intel® Xeon® D Processor |
| PCIe EXPANSION | 2x Full Height, ¾ Length PCIe slots with x16 lanes (Gen6i 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 RI-4S 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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## YOUR CONTACT

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