

INTEL®  
XEON® D-2100  
PROCESSOR

2 X PCIe  
EXPANSION SLOTS  
FOR HARDWARE ACCELERATION

OPTIONAL ON-BOARD SWITCH WITH  
PTP/SyncE AND OCXO  
HOLD-OVER

LONG PRODUCT  
LIFECYCLE



## ME1210

### Distributed unit (DU) for wide temperature range

- ▶ Enable complex applications closer to the network edge
- ▶ 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

- ▶ Kontron introduces the high-performance ME1210 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.

## FLEXIBLE EDGE SERVERS FOR RAPID DEPLOYMENT OF TELECOM & 5G SERVICES



### ▶ TECHNICAL INFORMATION

<b>PROCESSOR</b>	Intel® Xeon® D-2100 Processor Skylake Architecture; Intel® QuickAssist Technology (Intel® QAT); Intel® Advanced Vector Extensions 512 (Intel® AVX-512); Built-In Intel® Virtualization Technology  Available CPU options D-2187NT 16C/2.1Ghz 110W (QAT) D-2183IT 16C/2.2Ghz 100W	
<b>MEMORY</b>	8x DDR4 DIMM sockets, 4 channels @ 2667 MHz support up to 512GB	
<b>STORAGE</b>	2x M.2-2230/2280/22110, up to 960GB (SATA or NVMe); Support RAID 1	
<b>NETWORKING (OPTIONS)</b>	<ul style="list-style-type: none"> <li>• Integrated Microchip switch (VSC7556)</li> <li>• Total 12 SFP28/SFP+ Ports (2x 25G + 6x 10G or 12x 10G firmware configurations)</li> <li>• 4 Internal 10GE connections to Xeon D-2100 integrated X722 controller</li> </ul>	<ul style="list-style-type: none"> <li>• Xeon D-2100 integrated X722 controller</li> <li>• 4X Direct SFP+ port connection</li> </ul>
<b>TIMING AND SYNCHRONIZATION</b>	<ul style="list-style-type: none"> <li>• SyncE &amp; PTP with Telecom profile performance</li> <li>• Master and Boundary Clock modes</li> <li>• Optional advanced OCXO to support 4 hour Hold-Over requirement</li> <li>• Connector: 1x GNSS input (optional) and 1PPS output</li> <li>• Hosted in integrated Microchip switch and telecom PLL</li> </ul>	<ul style="list-style-type: none"> <li>• Xeon D-2100 integrated X722 controller PTP support</li> </ul>
<b>LOCAL DIAGNOSTIC PORTS</b>	1xGE Copper Interface (shared Management port) (RJ-45) 1x Serial Console Port (RJ-45) 4x Dry contact alarm inputs (RJ-45) 2x USB 3.0 Interface to Xeon D-2100 1x USB 2.0 Interface to BMC	
<b>PCI-E EXPANSION</b>	2x Full Height, ¾ Length PCIe slots with x16 Gen3 lanes 75W power per PCIe slots	
<b>MANAGEMENT</b>	Independent management network support Redfish API and IPMI v2.0 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	
<b>ENVIRONMENTAL</b>	Operating temperature: -40°C to 65°C 1U x 13.5in. (355mm) deep and designed to be mounted in a 19" standard rack Operating Input Voltage options: <ul style="list-style-type: none"> <li>• -48V DC (-40VDC to -57VDC)</li> <li>• AC 115/230V 50/60Hz (-5°C to 65°C)</li> </ul>	

### ▶ CORPORATE OFFICES

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