

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

PROCESSOR	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	
MEMORY	8x DDR4 DIMM sockets, 4 channels @ 2667 MHz support up to 512GB	
STORAGE	2x M.2-2230/2280/22110, up to 960GB (SATA or NVMe); Support RAID 1	
NETWORKING (OPTIONS)	<ul style="list-style-type: none"> • Integrated Microchip switch (VSC7556) • Total 12 SFP28/SFP+ Ports (2x 25G + 6x 10G or 12x 10G firmware configurations) • 4 Internal 10GE connections to Xeon D-2100 integrated X722 controller 	<ul style="list-style-type: none"> • Xeon D-2100 integrated X722 controller • 4X Direct SFP+ port connection
TIMING AND SYNCHRONIZATION	<ul style="list-style-type: none"> • SyncE & PTP with Telecom profile performance • Master and Boundary Clock modes • Optional advanced OCXO to support 4 hour Hold-Over requirement • Connector: 1x GNSS input (optional) and 1PPS output • Hosted in integrated Microchip switch and telecom PLL 	<ul style="list-style-type: none"> • Xeon D-2100 integrated X722 controller PTP support
LOCAL DIAGNOSTIC PORTS	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	
PCI-E EXPANSION	2x Full Height, ¾ Length PCIe slots with x16 Gen3 lanes 75W power per PCIe slots	
MANAGEMENT	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	
ENVIRONMENTAL	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"> • -48V DC (-40VDC to -57VDC) • AC 115/230V 50/60Hz (-5°C to 65°C) 	

▶ CORPORATE OFFICES

KONTRON CANADA

4555 Ambroise-Lafortune
Boisbriand, QC
Canada J7H 0A4
Tel.: +1 450 437-5682
Tel: +1 800-387-4223

EUROPE, MIDDLE EAST & AFRICA

Kontron Europe GmbH
Gutenbergstraße 2
85737 Ismaning,
Germany
Tel.: + 49 821 4086 0
Fax: + 49 821 4086 111
info@kontron.com
www.kontron.com

NORTH AMERICA

9477 Waples Street
San Diego, CA 92121
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
info@us.kontron.com

ASIA PACIFIC

1~2F, 10 Building, No. 8 Liangshuihe 2nd Street,
Economical & Technological Development
Zone, Beijing, 100176, P.R. China
Tel.: + 86 10 63751188
Fax: + 86 10 83682438
info@kontron.cn