INTEL®
XEON® D-2100
PROCESSOR

ON-BOARD
ETHERNET SWITCH

2 X FH¾L
PCIe SLOTS
WITH X16 LANES

# RS1210
## Outdoor ruggedized IP65 XRAN distributed unit (DU)

▶ Available in two IP65 variants – fully passive cooled or fan assisted
▶ Optimized for wide temperature range (dust, water, ice, vibration resistant) and remote environments
▶ Optional on-board Ethernet switch with IEEE 1588v2 and SyncE
▶ Optional Stratum 3/3E OCXO to support Hold-Over
▶ Seamless software migration from Kontron ME1210 edge server series

POSSIBILITIES START HERE ▶ kontron

▶ Kontron introduces the ruggedized RS1210 outdoor, IP65 rated server, built to withstand extreme temperatures and live in harsh environments. Simplify the deployment of new telecom services by mounting the heavy duty RS1210 server directly to a mobile tower, wall or pole, and monitor it remotely.

The goal of our compact Xeon® D servers is to solve remote site challenges while enabling complex applications closer to the network edge.

# POWERFUL OUTDOOR SERVERS FOR EASY DEPLOYMENT OF TELECOM & 5G SERVICES IN REMOTE SITES



▶ **TECHNICAL INFORMATION**

| | RS1210 FAN ASSIST COOLING OPTION | | RS1210 PASSIVE COOLING OPTION | |
|---|---|---|---|---|
| |  | |  | |
| **PROCESSOR** | Intel® Xeon® D-2100 Processor; Available CPU options<br>• D-2187NT 16C/2.1Ghz 110W (QAT)<br>• D-2183IT 16C/2.2Ghz 100W | | Intel® Xeon® D-2100 Processor; Available CPU options<br>• D-2163IT 12C/2.1Ghz 75W | |
| **MEMORY** | 8x DDR4 DIMM sockets, 4 channels @ 2667 MHz support up to 512GB | | 4x DDR4 DIMM sockets, 4 channels @ 2667 MHz support up to 256GB | |
| **STORAGE** | 2x M.2-2230/2280/22110, up to 1TB each (SATA or NVMe); Support RAID 1 | | 2x M.2-2230/2280/22110, up to 1TB each (SATA or NVMe); Support RAID 1 | |
| **NETWORKING (OPTIONS)** | • 12x SFP28/SFP+ Ports (2x 25G + 7x 10G or 12x 10G firmware configurations)<br>• Integrated Microchip switch 160Gb (VSC7556)<br>• 4 Internal 10GE connections to Xeon D-2100 integrated X722 controller | • 4x Direct SFP+ port connection<br>• Xeon D-2100 integrated X722 controller | • 12x SFP28/SFP+ Ports (2x 25G + 7x 10G or 12x 10G firmware configurations)<br>• Integrated Microchip switch 160Gb (VSC7556)<br>• 4 Internal 10GE connections to Xeon D-2100 integrated X722 controller | • 4x Direct SFP+ port connection<br>• Xeon D-2100 integrated X722 controller |
| **TIMING AND SYNCHRONIZATION** | • SyncE & PTP with Telecom profile performance<br>• Master and Boundary Clock modes<br>• GNSS synchronization<br>• Optional advanced OCXO to support 4 hour Hold-Over requirement<br>• Connector: 1x GNSS input (optional) and 1PPS output<br>• Hosted in integrated Microchip switch and telecom PLL | • Xeon D-2100 integrated X722 controller PTP support | • SyncE & PTP with Telecom profile performance<br>• Master and Boundary Clock modes<br>• GNSS synchronization<br>• Optional advanced OCXO to support 4 hour Hold-Over requirement<br>• Connector: 1x GNSS input (optional) and 1PPS output<br>• Hosted in integrated Microchip switch and telecom PLL | • 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); 1x USB 3.0 Interface to Xeon D-2100; 1x USB 2.0 Interface to BMC | | 1xGE Copper Interface (shared Management port) (RJ-45); 1x Serial Console Port (RJ-45); 4x Dry contact alarm inputs (RJ-45); 1x USB 3.0 Interface to Xeon D-2100; 1x USB 2.0 Interface to BMCC | |
| **PCIE EXPANSION** | • 2x Full Height, ¾ Length PCIe Slots with x16 Gen3 lanes; 75W Power per PCIe Slot<br>• Add-in card dependant | | • 1x Full Height, ¾ Length PCIe Slots with x16 Gen3 lanes; 75W Power per PCIe Slot<br>• Add-in card dependant | |
| **MANAGEMENT** | • BMC with Redfish API, IPMIv2, WebUI and independent network connectivity (Based on AST2500)<br>• 4x Dry contact alarm inputs through an RJ-45 jack | | • BMC with Redfish API, IPMIv2, WebUI and independent network connectivity (Based on AST2500)<br>• 4x Dry contact alarm inputs through an RJ-45 jack | |
| **ENVIRONMENTAL** | • Operating temperature: -40C to 46C+Sun (GR3108 Class 4) (IP65)<br>• Operating Input Voltage: -48v DC (-40VDC to -57VDC) ;Certification: UL/CSA, CE, BIS, CCC | | • Operating temperature: -40C to 46C+Sun (GR3108 Class 4) (IP65)<br>• Operating Input Voltage: -48v DC (-40VDC to -57VDC) ;Certification: UL/CSA, CE, BIS, CCC | |

▶ **CORPORATE OFFICES**

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