



Vigo DU 2U Xeon-D D2100

Product Description

Vigo DU 2U offers Edge Services for the Wireless 4G/5G market, the ability to host virtualize RAN (Radio Access Network) with a focus on L1 High-Phy and L2 MAC/RLC. Vigo design is optimized for the Disaggregated RAN market as a virtualized Distributed Unit (vDU) with acceleration to High-Phy and specifically FEC. Vigo also enables hosting a virtualized Central Unit (vCU) service that processes the L2.



Vigo design was designed in light of TIP and O-RAN recommendations and include capabilities dedicated for 5G market, such as nanosecond accurately time sync network interface cards and FEC offload.

Technical Specifications

General Technical Specifications	
CPU:	Intel Xeon D-2183IT/16C/2.2GHz/22MB/100W
BIOS:	Insyde UEFI BIOS
BIOS Flash:	SPI
Operating System:	Linux/ CentOS
Memory:	4x 8GB DIMMs DDR4 with ECC
Storage:	120GB M.2 NVME
PCIe #1:	x16, G3, FH ¾ Length, Dual slot, 225W slot
PCIe #2:	x16, G3, FH ¾ Length, Dual slot, 225W slot
Host Mgmt.:	<ul style="list-style-type: none"> • (1) 1GbE RJ45 on Management Card, Shared with BMC. • (1) In line management via TimeSync NIC
USB 3.0:	2xFront, 2x Internal Vertical
Serial Console:	RJ45 connector using RS232 signaling
BMC:	µBMC
Power Supply:	Dual redundant DC -48V hot swappable power supply 550W
Power Supply voltage rate:	(-36v) – (-75v) DC
Power Consumption:	Max: 350W, 7.3A@ -48VDC
Form Factor:	<ul style="list-style-type: none"> • 2U rackmount Form Factor EIA 19", • Depth: 389/385mm, including mountings/ without mounting ears
Cooling:	5 FANs
Sensors/Monitors:	Thermal protection Critical Error Detection Voltage monitors Current protection
Operating Temperature:	-20°C – 55°C (-4°F – 131°F)

Storage:	-40°C–65°C (-40°F–149°F)
Operating Altitude:	10000 ft (3048 m)
Certificates:	<p>EMC: EN55032: 2012 + AC (13) FCC 47 CFR part 15 subpart B EN 61000-3-2: 2014 EN 61000-3-3: 2013 EN 55024: 2010</p> <p>Safety CB Scheme 62368-1 CB Scheme 60950-1 CE 62368-1 CE 60950-1</p> <p>ROHS</p>

Order Information

P/N	Description	Notes
90500-0168-G05	DU, 2U, 19", D21831T/16C/2.2GHz/100W, DDR4/32GB/ECC, 2xPSU	Includes: 2xDC power cable