P5G501

P5G Edge Server

P5G501: Is a rugged 1U 5G Edge Server designed for high-performance 5G applications.

The P5G501 functions as both a Centralized Unit (CU) and Distributed Unit (DU). Powered by an Intel Xeon Gold 6433N Processor and featuring an on-board Broadcom 57504 Quad Port 25GbE SFP28 Network Interface, it offers robust processing power and high-speed connectivity. The P5G501 ensures reliable, low-latency 5G network operations, making it ideal for industrial and remote applications.

Technology

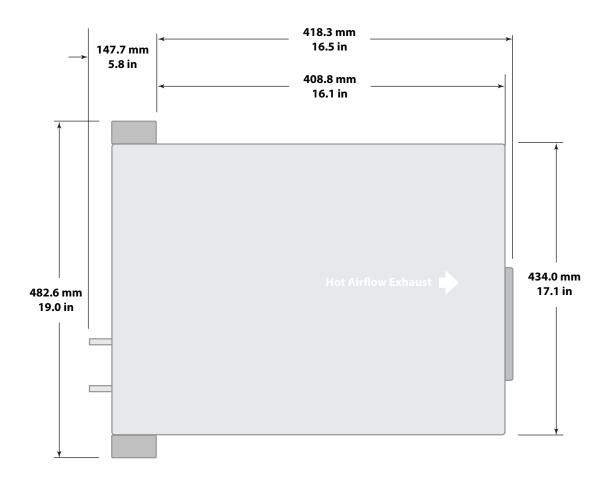|	
Model	Dell PowerEdge XR5610 Server
Processor	Intel Xeon Gold 6433N 2G, 32C/64T
Memory	32GB RDIMM, 5600MT/s. Dual Rank
Storage	960GB SSD SATA Mixed Use (6Gbps peak)
Front Ports	1 x iDRAC Direct (Micro-AB USB 2.0) port, 1 x iDRAC dedicated port, 1 x USB 3.0 port, 1 x Serial Port (Micro-AB USB 2.0-compliant), 1 x Mini-DisplayPort, 4 x 25 GbE SFP+ LOM, 1 x RJ45 for dedicated dry contacts
Network	Onboard Broadcom 57504 Quad Port 25GbE SFP28, 1 x 1GbE RJ45 iDRAC Management Port, 1 x Intel E810-XXVDA4TGG1 w/ GNSS PCIe, featuring: · 4 x 10/25GbE SFP28 Ports · 1 x SMB-GNSS Antenna · 2 x SMA-1pps IN/OUT
Synchronization	1588 PTP/SyncE with bidirectional and NC-SI Support
Operating Temperature Range	-5 to 55°C (23 to 131°F)
Inserted Chassis Dimensions	17.08W x 16.4D x 1.68H in (434.0 x 418.3 x 42.8 mm)
Overall Chassis Dimensions	19.0Wx 18.4D x 1.68H in (482.6 x 466.1 x 42.8 mm)
Mounting Options	Rack-mountable (1U form factor)
Video Card	1 x On-Board Matrox Millennium G200 - 16 MB
Power Supply	Dual, Hot-plug, Power Supply (1+1), 1400W

Global Part Numbers

P5G-SERV501	P5G501 - P5G501 Edge Server 10/25G

Specifications and ID are subject to change without notice.

147.7 mm
5.8 in

418.3 mm
16.5 in

408.8 mm
16.1 in

482.6 mm
19.0 in

Hot Airflow Exhaust ➤

434.0 mm
17.1 in

42.8 mm
1.7 in