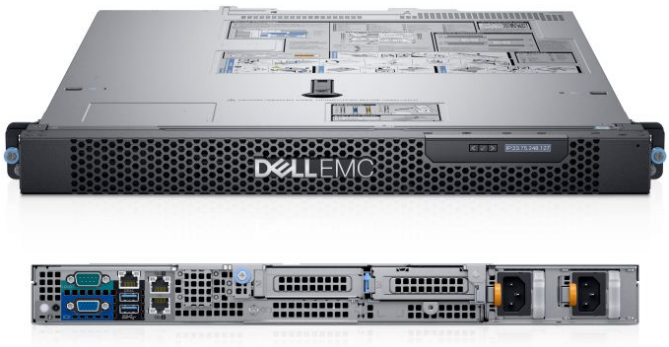
Dell EMC presents the next generation of rugged PowerEdge XR servers-- the PowerEdge XR2, designed for use in harsh environments, including industrial sites or even conflict zones.



The 1U chassis housing the XR2 features shock and vibration resistance, optional dust filtration and components certified to work in temperatures ranging from -5ºC to +55ºC as well as altitudes of up to 15K feet. Inside are two Xeon Gold (Skylake-SP) processors with up to 22 cores, 30MB L3 cache and a 140W TDP.

Customers can equip the primary CPU socket with 10 DIMMs (4 channels at 2 DPC and 2 channels at 1 DPC) and the secondary CPU socket with 6 DDR4 memory modules (6 channels at 1 DPC) for a potential 512GB of DRAM per box. Such an amount might appear low compared to current servers, but Dell only uses DIMMs certified for severe environments which are currently limited to 32GB per module.

Storage comes through x8 hot-swappable SATA/SAS SSDs with total capacity of up to 30TB. Customers may equip the system with self-encrypting SSDs, but the machine can equip the drives itself, with a common access card handling access/decryption. The server can also be equipped with a variety of RAID controllers.

Further hardware details include a 550W redundant PSU and networking via 1Gb, 10Gb BASE-T, 10Gb SFP+, and 40Gb QSFP+ cards. The machines are IPMI compliant, support Dell's proprietary iDRAC9 remote management and are compatible with Microsoft Windows Server and a variety of Linux builds.

The PowerEdge XR2 servers are available now.

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