



POWEREDGE C4130

With up to four high-performance PCIe accelerators per 1U server, the PowerEdge C4130 delivers industry-leading compute density with an extremely flexible and balanced architecture for the most demanding technical computing workloads.

The PowerEdge C4130 provides supercomputing agility and performance in an ultra-dense platform purpose-built for high-performance computing (HPC) and virtual desktop infrastructure (VDI) workloads. Speed through complex research, simulation and visualization problems in medicine, finance, energy exploration and related fields without compromising on versatility or data center space.

Deliver peak performance

Get results faster with greater precision by combining up to two Intel® Xeon® E5-2600 v4 processors and up to four 300W dual-width PCIe accelerators in each C4130 server. Support for NVIDIA® Tesla® GPUs and Intel Xeon Phi™ coprocessors along with up to 1TB of DDR4 memory gives you ultimate control in matching your server architecture to your specific performance requirements.

Discover greater versatility

Enable extreme I/O flexibility for workload optimization with up to two PCIe 3.0 expansion slots and an optional 96-lane PCIe 3.0 switch that allows accelerators to be pooled across processors. Support for InfiniBand® EDR and NVIDIA® GPUDIRECT™ lets you tailor data throughput and reduce latency, while support for InfiniBand EDR protects your IT investment and reduces TCO.

Maximize operational efficiency

Optimize data center energy use with granular control of power and cooling using intuitive management tools that improve IT productivity and drastically reduce time spent on deployment and support tasks. Fault-tolerant cooling and redundant power supply options further increase server uptime and reduce costly interruptions for mission-critical applications.

Innovative management with intelligent automation

The Dell OpenManage systems management portfolio includes innovative solutions that simplify and automate essential server life cycle management tasks — making IT operations more efficient and Dell servers the most productive, reliable and cost effective. Leveraging the agent-free capabilities of the integrated Dell Remote Access Controller (iDRAC) with Lifecycle Controller technology, server deployment, configuration and updates are streamlined across the OpenManage portfolio and through integration with third-party management solutions.

Monitoring and control of Dell and third-party data center hardware is provided by OpenManage Essentials and with anytime, anywhere mobile access, through OpenManage Mobile. OpenManage Essentials also delivers Server Configuration Management capabilities that automate one-to-many server and OS deployments, quick and consistent replication of configurations, and ensure compliance to a predefined baseline with automated drift detection.

PowerEdge C4130

- Up to four 300W PCIe accelerators per 1U server
- Supports NVIDIA GPUs and Intel coprocessors
- Uniquely balanced CPU/GPU configurations for a range of demanding workloads
- iDRAC8 embedded systems management

Feature	Technical specification	
Form factor	1U rack server	
Dimensions and weight	H: 4.31 cm (1.7 in), W: 43.4 cm (17.09 in), D: 88.58 cm (34.87 in); max weight: 20.2 kg (44.53 lb)	
Processor	Intel® Xeon® processor E5-2600 v4 product family Processor sockets: 2 Chipset: C612 series Internal interconnect: Up to 9.6GT/s	
Memory	DDR4 DIMMs at up to 2400MT/s; 16 DIMM slots: 4GB/8GB/16GB/32GB/64GB	
Supported GPUs	NVIDIA Tesla K40, K80, M60, M40, P100 16GB, P100 12GB, and M10.	
Network controller	2 x 1GbE LOM	
Optional adapters	<p>Emulex LPE 12000, Single Port 8Gb Fibre Channel HBA, Low Profile</p> <p>Emulex LPE 12002, Dual Port 8Gb Fibre Channel HBA, Low Profile</p> <p>Emulex LPe15000B-M8-D Single Port 8Gb Fibre Channel Adapter, Low Profile</p> <p>Emulex LPe15002B-M8-D Dual Port 8G Fibre Channel Adapter, Low Profile</p> <p>Emulex LPe16000B, Single Port 16Gb Fibre Channel HBA, Low Profile</p> <p>Emulex LPe16002B, Dual Port 16Gb Fibre Channel HBA, Low Profile</p> <p>Emulex LPe31000-M6-D Single Port 16Gb Fibre Channel HBA, Low Profile</p> <p>Emulex LPe31002-M6-D Dual Port 16Gb Fibre Channel HBA, Low Profile</p> <p>Intel Ethernet X540 DP 10GBASE-T Server Adapter, Low Profile</p> <p>Intel Omni-Path Host Fabric Adapter 100 Series 1 Port PCIe x16, Low Profile</p> <p>Intel X520 DP 10Gb DA/SFP+ Server Adapter, Low Profile</p> <p>Intel X550 Dual Port 10G Base-T Adapter, Low Profile</p> <p>Intel X710 Dual Port 10Gb Direct Attach, SFP+, Converged Network Adapter, Low Profile</p>	<p>Intel X710 Dual Port 10Gb, SFP+, Converged Network Adapter, Low Profile, With SR Optics</p> <p>Mellanox ConnectX® -3 Dual-Port VPI FDR LP Infiniband Adapter</p> <p>Mellanox ConnectX® -3 Single-Port VPI FDR LP Infiniband Adapter</p> <p>Mellanox ConnectX-3, Dual Port, VPI FDR, QSFP+ Adapter</p> <p>Mellanox ConnectX-3, Dual Port, VPI FDR, QSFP+ Adapter, with Optics</p> <p>Mellanox ConnectX-3, Single Port, VPI FDR, QSFP+ Adapter</p> <p>Mellanox ConnectX-3, Single Port, VPI FDR, QSFP+ Adapter, with Optics</p> <p>Mellanox ConnectX-4 Dual Port, EDR, VPI QSFP28 Low Profile Adapter</p> <p>Mellanox ConnectX-4 Single Port, EDR, VPI QSFP28 Low Profile Adapter</p> <p>QLogic 2560, Single Port 8Gb Optical Fibre Channel HBA, Low Profile</p> <p>QLogic 2562, Dual Port 8Gb Optical Fibre Channel HBA, Low Profile</p> <p>QLogic 2660, Single Port 16Gb, Fibre Channel HBA, Low Profile</p> <p>QLogic 2662, Dual Port 16GB Fibre Channel HBA, Low Profile</p>
I/O slots	Up to 2x PCIe 3.0 low-profile adapters (back) Intel H-series (OmniPath)	Optional 96-lane PCIe 3.0 switch for certain accelerator configurations 4 x16 PCIe slots (front) for the GPU
Storage	Up to 2 x 1.8" SATA SSD boot drives Optional data drive tray supports up to 4 x 2.5" SAS/SATA drives Optional 12Gb/s SAS and 6Gb/s SATA (with PERC9 card)	
RAID controller	Optional internal controller: PERC H330, H730, H730P and H810	
Power supplies	1600W, 2000W hot-plug power supply unit (PSU) Redundant PSU (1+1) option available	
Systems management	<p>Systems management: IPMI 2.0 compliant; Dell OpenManage Essentials; Dell OpenManage Mobile; Dell OpenManage Power Center</p> <p>Remote management: iDRAC8 with Lifecycle Controller, iDRAC8 Express (default), iDRAC8 Enterprise (upgrade) 8GB vFlash media (upgrade), 16GB vFlash media (upgrade) iDRAC Quick Sync</p>	<p>Dell OpenManage Integrations:</p> <ul style="list-style-type: none"> Dell OpenManage Integration Suite for Microsoft® System Center <p>Dell OpenManage Connections:</p> <ul style="list-style-type: none"> HP Operations Manager, IBM Tivoli® Netcool® and CA Network and Systems Management Dell OpenManage Plug-in for Oracle® Database Manager
Operating systems	Microsoft Windows Server® 2012 Microsoft Windows Server 2012 R2 Novell® SUSE® Linux Enterprise Server Citrix® XenServer®	Red Hat® Enterprise Linux VMware® ESX® For information on specific operating systems and additions, visit Dell.com/OSsupport .

Recommended services

ProSupport Plus with SupportAssist provides proactive and predictive support for critical systems. ProSupport provides comprehensive hardware and software support. Get more from your technology starting on day one with ProDeploy Enterprise Suite deployment offers. For more information, visit Dell.com/itlifecycleservices.

End-to-end technology solutions

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell EMC for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell EMC Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services™ has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.*

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