

CCS Servers



CCS Express EXS



Provides performance and versatility as needed to address your most demanding applications

The new CCS Express is a 1U, two-socket rack server. Gain the performance you need with this full-featured enterprise server, designed to optimize even the most demanding workloads like dense database analytics and high-density virtualization.

Max Performance

- Add up to 2 x Intel Xeon-Gold 6426Y 2.5GHz 16-core 185W Processor or two 5th Generation Intel Xeon Scalable processors up to 64 cores for faster and more accurate processing performance.
- Accelerate in-memory workloads with up to 384GB (12x32GB) Dual Rank x8 DDR5-4800 CAS-40-39-39 EC8.
- Registered Smart Memory Kit when using 2 x Intel Xeon-Gold 6426Y 2.5GHz 16-core 185W Processor or 32 DDR5 RDIMMs up to 5600 MT/sec for 1 DPC when using 5th Gen Intel Xeon Scalable processors.
- Support for GPUs including 4 x single-wide for workloads requiring acceleration.

Air cooled at peak performance

- New Smart Flow chassis optimizes airflow to support the highest core count CPUs in an air-cooled environment within the current IT infrastructure.
- Support for up to 8 x 2.5" drives and 2 x 185 watt processors.

Gain agility

- Achieve maximum efficiency with multiple chassis designs that tailor to your desired workloads and business objectives.
- Storage options include up to 8 x 2.5" NVMe/SAS4/SATA, plus up to 10 x 2.5" NVMe/SAS4/SATA, 14/16 x NVME E3.S Gen5.
- Multiple Gen4 and Gen5 riser configurations (up to 3 x PCIe slots) with interchangeable components that seamlessly integrate to address customer needs over time.

Cyber Resilient Architecture for Zero Trust IT environment & operations

Security is integrated into every phase of the Express EXS lifecycle, including protected supply chain and factory-to-site integrity assurance. Silicon-based root of trust anchors end-to-end boot resilience while Multi-Factor Authentication (MFA) and role-based access controls ensure trusted operations.

Increase efficiency and accelerate operations with an autonomous infrastructure

The CCS OpenManage systems management portfolio delivers a secure, efficient, and comprehensive solution for Express EXS servers. Simplify, automate and centralize one-to-many management with the OpenManage Enterprise console and concern drivers.

Sustainability

From recycled materials in our products and packaging, to thoughtful, innovative options for energy efficiency, the Express EXS portfolio is designed to make, deliver, and recycle products to help reduce the carbon footprint and lower your operation costs. We even make it easy to retire legacy systems responsibly with CCS Technologies Services.

Rest easier with CCS Technologies Services

Maximize your Express EXS Servers with comprehensive services ranging from [Consulting](#), to [ProDeploy](#) and [ProSupport suites](#), [Data](#)

Express EXS

The CCS Express EXS offers powerful performance in a purpose-built, cyber resilient, mainstream server. Ideal for:

- High Density Virtualization
- Dense Database Analytics
- Mixed Workload Standardization

[Migration](#) and more – available across 4 locations and backed by our employees and partners.

Feature	Technical Specifications
Processor	Up to 2 x Intel Xeon-Gold 6426Y 2.5GHz 16-core 185W Processor or Up to two 5th Generation Intel Xeon Scalable processors with up to 64 cores.
Memory	<ul style="list-style-type: none"> 12 X 32 DDR5 DIMM slots, supports RDIMM 8 TB max, speeds up to 4800 MT/s Speeds up to 4800 MT/s on Intel Xeon-Gold 6426Y 2.5GHz Processor or Intel Xeon Max processors Speeds up to 5600 MT/s on the 5th Generation Intel Xeon Scalable processors Supports registered ECC DDR5 DIMMs only
Storage controllers	<ul style="list-style-type: none"> Internal Controllers (RAID): MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM External Controller: PERC H965e Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 2 x M.2 NVMe SSD drives, or USB SAS HBAs (non-RAID): MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Software RAID: S160
Drive Bays	<p>Front bays:</p> <ul style="list-style-type: none"> Up to 10 x 2.5-inch, SAS/SATA/NVMe (HDD/SSD) max 153.6 TB Up to 8 x 2.5-inch, SAS/SATA/NVMe, (HDD/SSD) max 122.88 TB Up to 14 x EDSFF E3.S Gen5 NVMe (SSD) max 179.2 TB Up to 16 x EDSFF E3.S Gen5 NVMe (SSD) max 204.8 TB <p>Rear bays:</p> <ul style="list-style-type: none"> Up to 2 x 2.5-inch, SAS/SATA/NVMe max 30.72 TB Up to 2 x EDSFF E3.S Gen5 NVMe (SSD) max 25.6 TB
Power Supplies	<ul style="list-style-type: none"> 800W -(48—60) VDC, hot swap with full redundancy – 2 Nos. 800W Platinum 100—240 VAC or 240 HVDC, hot swap with full redundant – 2 Nos 700 W Titanium 200—240 HLAC or 240 HVDC, hot swap with full redundant
Cooling Options	<ul style="list-style-type: none"> Air cooling Optional Direct Liquid Cooling (DLC) <p>Note: DLC is a rack solution and requires rack manifolds and a cooling distribution unit (CDU) to operate.</p>
Fans	<ul style="list-style-type: none"> Standard (STD) fans/High performance Gold (VHP) fans Up to 4 sets (dual fan module) hot plug fans
Dimensions	<ul style="list-style-type: none"> Height – 42.8 mm (1.68 inches) Width – 482 mm (18.97 inches) Depth – 822.88 mm (32.39 inches) with bezel 809.04 mm (31.85 inches) without bezel
Form Factor	1 U rack server
Embedded Management	<ul style="list-style-type: none"> iDRAC9 iDRAC Direct iDRAC RESTful API with Redfish iDRAC Service Module Quick Sync 2 wireless module
Bezel	Optional LCD bezel or security bezell
OpenManage Software	<ul style="list-style-type: none"> OpenManage Enterprise OpenManage Power Manager plugin OpenManage Service plugin OpenManage Update Manager plugin CloudIQ for Express EXS plug in OpenManage Enterprise Integration for VMware vCenter OpenManage Integration for Microsoft System Center OpenManage Integration with Windows Admin Center
Mobility	OpenManage Mobile
OpenManage Integrations	<ul style="list-style-type: none"> BMC Truesight Microsoft System Center OpenManage Integration with ServiceNow Red Hat Ansible Modules Terraform Providers VMware vCenter and vRealize Operations Manager
Security	<ul style="list-style-type: none"> Cryptographically signed firmware Data at Rest Encryption (SEDs with local or external key mgmt) Secure Boot Secure Erase Secured Component Verification (Hardware integrity check) Silicon Root of Trust System Lockdown (requires iDRAC9 Enterprise or Datacenter) TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ
Embedded NIC	2 x 1 GbE LOM card (optional)

Feature	Technical Specifications				
Network options	<ul style="list-style-type: none"> Ethernet 1Gb 4-port BASE-T OCP3 Adapter <p>Note: The system allows either LOM card or an OCP card or both to be installed in the system.</p> <ul style="list-style-type: none"> Ethernet 10Gb 2-port SFP+ Adapter <p>Note: The system allows either LOM card or MIC card to be installed in the system.</p>				
GPU Options	Up to 4 x 75 W SW				
Ports	<table border="0"> <tr> <td> Front Ports <ul style="list-style-type: none"> 1 x iDRAC Direct (Micro-AB USB) port 1 x USB 2.0 1 x VGA </td> <td> Rear Ports <ul style="list-style-type: none"> 1 x Dedicated iDRAC Ethernet port 1 x USB 2.0 1 x USB 3.0 1 x Serial (optional) 1 x VGA (optional for Direct Liquid Cooling configuration) </td> </tr> <tr> <td colspan="2"> Internal Ports <ul style="list-style-type: none"> 1 x USB 3.0 (optional) </td> </tr> </table>	Front Ports <ul style="list-style-type: none"> 1 x iDRAC Direct (Micro-AB USB) port 1 x USB 2.0 1 x VGA 	Rear Ports <ul style="list-style-type: none"> 1 x Dedicated iDRAC Ethernet port 1 x USB 2.0 1 x USB 3.0 1 x Serial (optional) 1 x VGA (optional for Direct Liquid Cooling configuration) 	Internal Ports <ul style="list-style-type: none"> 1 x USB 3.0 (optional) 	
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Internal Ports <ul style="list-style-type: none"> 1 x USB 3.0 (optional) 					
PCIe	<p>Up to three PCIe slots :</p> <ul style="list-style-type: none"> Slot 1 : 1 x16 Gen5 Full height, 3/4 length, Half length or 1 x8/ 1 x16 Gen 5 or 1 x16 Gen 4 Low profile, Half length Slot 2 : 1 x16 Gen5 Full height, 3/4 length, Half length or 1 x16 Gen 5 or 1 x16 Gen 4 Low profile, Half length Slot 3 : 1 x8/ 1 x16 Gen 5 or 1 x16 Gen 4 Low profile, Half length 				
Operating System and Hypervisors	<ul style="list-style-type: none"> Canonical Ubuntu Server LTS Microsoft Windows Server with Hyper-V Red Hat Enterprise Linux SUSE Linux Enterprise Server VMware ESXi <p>For specifications and interoperability details, see ccsconquer.com.</p>				
OEM-ready version available	From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you. For more information, visit ccsconquer.com				

APEX Flex on demand

Acquire the technology you need to support your changing business with payments that scale to match actual usage. For more information, visit: <https://ccsconquer.com>



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