

Pushing the Edge to the Limit



With the latest Dell EMC ruggedized servers, CCI Integration offers integrated devices that are purpose-built for the most challenging edge environments in telco, energy, defense, retail and hospitality.

Across industries, organizations are taking their software to the edge to drive better results with reduced latency and processing that's closer to where the action is. Moving computing power into the field heightens the usual integration challenges of design, validation, lifecycle management and support. Consistent delivery may be tested by hot, cold or kinetic environments, by locations with divergent power and network availability, or by regulatory compliance requirements.

In partnership with Dell Technologies, CCI Integration is rapidly making many of these concerns a thing of the past.

CCI Integration now offers one of the first purpose-built systems for edge environments—no matter how your business defines “the edge”.

Introducing the Dell EMC PowerEdge XR11 and PowerEdge XR12, integrated and delivered by CCI Integration.

These no-compromise servers are built for tight spaces and tough conditions. Combined with CCI Integration's proven methodology and expertise in engineering, logistics and project management, the XR11 (1U) and XR12 (2U) enable you to **innovate at scale by boosting services at the edge** with up to 36 x86 cores that can perform in harsh environments such as dust, shock, vibration and temperatures from -5 to 55°C, including reverse air flow support that makes expensive retrofits or HVAC updates unnecessary.

With the XR11 and XR12 delivered by CCI Integration, you can experience a streamlined product lifecycle and provide a superior user experience through built-in telemetry streaming, intelligent automation, and integrated change management. Data security and management are also easier through Dell EMC and Intel's **innovative cyber resilience technologies** and a **systems management portfolio** that reduces process and information silos so you can focus on your IP and growing your business.



Dell EMC PowerEdge XR11 (1U)



Dell EMC PowerEdge XR12 (2U)

Getting the box to the Edge.

Finding the right platform is only the first step. **CCIntegration, a Dell Technologies Titanium Partner, is uniquely qualified to help you get the XR11 and XR12 from the pallet to the field and bolster your capabilities at the edge.**

CCIntegration applies its decades of experience with tough deployment environments and the unique needs of telco, defense, retail, energy, and other industries to ensure optimal design, testing, logistical support, management scheme, security and cost profile.

Customize your XR11 or XR12 to a field ready device ideal for the particular needs of your application by working with CCIntegration:

- Custom and non-standard boards to enable differentiated software features
- Validation and integration of non-standard peripherals
- Application software load, verification, and testing
- Global logistics and support for harsh deployment environments
- Customized branding

CCIntegration has 30 years of integration experience in design, services, logistics, life cycle management, compliance and field support, but we don't look back. We look ahead. The future is at the edge, and CCIntegration will help you get there, extending the reach of your IP to wherever your customers need it—now with the latest in rugged servers from Dell Technologies to master the most challenging edge environments no matter the industry.


Achieve Peak Performance at the Edge with CCIntegration.

Let CCIntegration help you achieve optimal results at the edge through:

- Smart Design
- Thorough Testing
- Logistical Know-How
- Platform Management
- Smart Security
- Lower TCO

CCIntegration and Dell Technologies: A Powerful Partnership

CCIntegration provides consistent, high-quality integrated systems in the data center and at the edge and acts as the hardware engineering and logistics extension of some of the world's most successful software and SaaS companies. Top-level partnerships with innovative tier-one vendors like Dell Technologies allow CCIntegration to deliver reliable, successful on-premises and edge solutions across the broadest range of best-in-class platforms, from server, storage, and workstations to networking and embedded compute products.



Learn how CCIntegration can help you scale your business with the PowerEdge XR11 and XR12. Visit [CCIntegration.com](https://www.ccintegration.com) or contact us at sales@ccintegration.com.

Dell PowerEdge Servers - Technical Specifications

	XR11	XR12
Processor	One 3rd Generation Intel Xeon Scalable processor with up to 36 cores	One 3rd Generation Intel Xeon Scalable processor with up to 36 cores
Memory	<p>Eight DDR4 DIMM slots, supports RDIMM 512 GB max or LRDIMM 1 TB max, speeds up to 3200 MT/s</p> <p>Up to four Intel Optane PMem 200 Series slots, 512 GB max</p> <p>Supports registered ECC DDR4 DIMMs only</p>	<p>Eight DDR4 DIMM slots, supports RDIMM 512 GB max or LRDIMM 1 TB max, speeds up to 3200 MT/s</p> <p>Up to four Intel Optane PMem 200 Series slots, 512 GB max</p> <p>Supports registered ECC DDR4 DIMMs only</p>
Storage Controllers	<p>Internal controllers (RAID): PERC H755, S150</p> <ul style="list-style-type: none"> Internal Boot: Boot Optimized Storage Subsystem (BOSS-S1): HWRAID 2 x M.2 SSDs or USB External PERC (RAID): PERC H840 12 Gbps SAS HBAs (non-RAID): internal- HBA355i, external-HBA355e 	<p>Internal controllers (RAID): PERC H755, S150</p> <ul style="list-style-type: none"> Internal Boot: Boot Optimized Storage Subsystem (BOSS-S1): HWRAID 2 x M.2 SSDs or USB External PERC (RAID): PERC H840 12 Gbps SAS HBAs (non-RAID): internal- HBA355i, external-HBA355e
Drive Bays	<p>4 x 2.5-inch SATA/SAS/NVMe (SSDs) max 61.44 TB</p> <p>Height: 42.8 mm (1.68 inches)/42.8 mm (1.68 inches)</p> <p>Width: 482.6 mm (19 inches)/482.6 mm (19 inches)</p> <p>Depth: 400 mm (15.74 inches) Ear to rear wall/477 mm (18.77 inches) with bezel/Bezel is not supported</p> <p>463 mm (18.22 inches) without bezel/463 mm (18.22 inches) without bezel</p>	<p>6 x 2.5-inch SATA/SAS/NVMe (SSDs) max 92 TB</p> <p>Height: 86.8 mm (3.41 inches)/86.8 mm (3.41 inches)</p> <p>Width: 482.6 mm (19 inches)/482.6 mm (19 inches)</p> <p>Depth: 400 mm (15.74 inches) Ear to rear wall/400 mm (15.74 inches) Ear to rear wall</p> <p>477 mm (18.77 inches) with bezel/553 mm (21.76 inches) with bezel</p> <p>463 mm (18.22 inches) without bezel/463 mm (18.22 inches) without bezel</p>
Form Factor	1U rack server	2U rack server
Ports	<p>TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ</p> <p>For Front Accessed configuration</p> <p>Front Ports</p> <ul style="list-style-type: none"> 1 x USB 2.0 1 x iDRAC dedicated port 1 x USB 3.0 1 x Serial port 1 x VGA 1 x iDRAC Direct (Micro-AB USB) port <p>Rear Ports</p> <p>N/A</p> <p>Internal Ports</p> <ul style="list-style-type: none"> 1 x USB 3.0 	<p>TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ</p> <p>For Front Accessed configuration</p> <p>Front Ports</p> <ul style="list-style-type: none"> 2 x USB 2.0 1 x iDRAC dedicated port 1 x USB 3.0 1 x Serial port 1 x VGA 1 x iDRAC Direct (Micro-AB USB) port <p>Rear Ports</p> <p>N/A</p> <p>Internal Ports</p> <ul style="list-style-type: none"> 1 x USB 3.0
PCIe	3 x PCIe Gen4 slots	5 x PCIe Gen4 slots