

# **Manufacturer s Edge Data Center 1U**





## Overview

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The compact, short-depth (483 (W) x 480 (D) x 44 (H) mm) 1U edge server is engineered to deliver real-time Generative AI (GenAI) and Large Language Model (LLM) workloads straight to the on-premises data center moving away from general cloud dependence while offering reduced bandwidth. Optimized for low-latency edge AI and data preprocessing — ideal for smart surveillance, roadside traffic nodes, factory AOI, smart retail, and medical image triage. Uniquely combining computer expertise with a cutting-edge software stack and a deep understanding of the gaming industry's requirements and regulations, we back. They offer industry-leading connector density and easy finger/toolless access to enable faster moves, adds, and changes (MACs). Designed with a short-depth industrial chassis, these 1U servers provide a compact footprint without sacrificing expandability, featuring support for full-height PCIe expansion. , a global leader in rugged edge AI computing and industrial display technology, announces the release of the.



## Manufacturer s Edge Data Center 1U

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### Corning

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Corning - EDGE-01U-SP - Corning EDGE Housing 1 Rack Unit, Gray, Holds up to 12 EDGE Modules or Panels - For Module, Panel, Data Center, Networking - 1U Rack Height - Rack-mountable - Silver, Gray

### QuantaGrid-SD2H , 1U Rackmount Server , Edge Server , QCT.io

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Exclusive MEC platform SD2H-1U can rapidly process content at the very edge of the mobile network, delivering an experience that is ultra-responsive. For MEC edge application, ultra short depth 400mm



## Edge Servers: Reliable performance and highly

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From data center extension to content delivery networks (CDN edge servers), OnLogic's scalable edge computing solutions provide the reliability and resilience

## Agile Modular Edge Data Center Solutions , IM Data

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Discover IM Data Centers' agile modular edge data center solutions, delivering reliable performance and low-latency connectivity.

## Inventec , Product

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Powered by the latest Intel Xeon 6 CPUs, high-speed DDR5-6400, and PCIe Gen5 GPUs for demanding edge deployments where space is critical. Supports Socket-E2 with up to 270W TDP, DDR5-6400



## **Premio Expands Its Edge Computing Hardware Portfolio With LLM**

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This compact, short-depth 1U edge server is designed to bring real-time Generative AI (GenAI) and Large Language Model (LLM) workloads directly to the on-premises data center edge.

## **12 innovative edge data centre companies**

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Listen Download Edge data centres are a key enabler of the benefits that are often associated with edge computing and distributed computing, such as low latency,

## **Premio Rolls Out Compact Edge Server for**



## Industrial

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"The LLM-1U-RPL is purpose-built for on-premise data centers to deliver high-performance, low-latency AI inferencing for large language model

## Unlocking the Potential of 1U Rack Servers: A

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Q: What are the advantages of hosting websites with 1U rack mount servers? A: 1U rack-mount servers are compact and cost-effective, allowing for

## How to Select a 1U Rack Server for Edge Computing Environments

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Selecting a 1U rack server for edge computing requires prioritizing compact designs under 1.7m height for space-constrained sites, robust remote management like iDRAC or iLO for unattended operations,



## On Premises Private Cloud

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AWS Outposts servers The AWS Outposts servers come in a 1U or 2U form factor. They provide the same AWS infrastructure, services, APIs, and tools to on

## EDGE-01U , EDGE(TM) Housing 1 rack unit, Gray, holds up to 8 EDGE

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The units can be configured to accommodate 96, 144, 288, or 576 fibers. EDGE housings can be rack- or cabinet-mounted and are ideal for data centers, local area network (LAN) and storage area

## How to Choose the Best Server 1U for Your Data Center Needs

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When selecting a server 1u for your infrastructure, prioritize rack space efficiency, thermal performance, and scalability. The best server 1u units balance processing power with compact

## 1U Servers

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1U - Servers - Shop Dell servers for compute, including rack, tower, Edge, and modular solutions. Find the right server to power your small business to enterprise needs.

## Rack Server Solutions for Enterprise & Data Center

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Supermicro offers the industry's broadest range of rackmount data center servers optimized for modern workloads including AI, HPC, Cloud, Storage and Edge. 1U



## **PowerEdge Data Center Compute Servers , Dell USA**

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Enhance Data Center workloads with PowerEdge High-performance computing Perform complex compute in fields such as bioinformatics, climate modeling, and

## **MDC , Compact Micro Data Center**

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Rack-Level, 3.5kW Edge Infrastructure with Integrated Backup Cooling for Remote and Space-Constrained Environments What Makes a Micro Data Center the Ideal

## **Premio Expands its Edge Computing Hardware Portfolio**

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This compact, short-depth 1U edge server is designed to bring real-time Generative AI (GenAI) and Large Language Model (LLM) workloads directly to



## **EdgeReady Micro Data Centers Brochure (English)**

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Organizations in every sector - including business, manufacturing, telecommunications, healthcare, financial services, retail, transportation, government, energy and education - are racing to analyze

## **Industrial 1U Rackmount PCs , Custom 1U Edge Servers**

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1U Rackmount PCs engineered for high-performance edge computing. Featuring Intel 12th & 13th Gen processing. Designed for 24/7 reliability, TAA compliant and built in the USA. Support full-size PCIe



## Rackmount Edge Servers

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Short-depth rackmount edge servers with versatile power, I/O, and temperature ranges deliver CPU performance to space-constrained deployments.

### Contact Us

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For datasheets, pricing, or custom optical networking solutions, please visit:  
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