

Azure Stack Edge Pro R

The Azure Stack Edge Pro R is a device that brings the power of Azure compute, storage, and intelligence to the edge

The Edge continues to be more critical as global challenges and opportunities emerge in every part of the world. Azure Stack Edge Pro R brings compute and storage to anywhere you need it. An Azure-managed ruggedized edge appliance, it can also operate disconnected, for the most demanding environments.



Designed for the toughest environments. Keep working in the most rugged and challenging conditions, with an optional uninterruptable power supply. Remotely configurable and maintainable. Ruggedized case designed for harsh conditions.



Operate in disconnected and connected environments. Whether you're connected to Azure or an Azure Stack Hub Rugged by Microsoft, or are operating in a disconnected, air-gapped environment, the ASE Pro R will provide continuous compute and storage resources at the edge.



Benefit from hardware-accelerated machine learning. Build and train machine learning models in Azure, then utilize the NVIDIA Tensor Core T4 GPU to accelerate the results locally on ASE Pro R. Upload the full data set or a subset to the cloud to retrain your models and make your edge devices smarter.



Transfer data over the network. Whether you're transferring data to Azure, Azure Stack Hub Ruggedized from Microsoft or Azure Modular Data Center, the ASE Pro R acts as a cloud storage gateway and enables eyes-off data transfers to any one of the above destinations, while retaining local access to files. With its local cache capability and bandwidth throttling to limit usage during critical/peak periods, the Pro R can be used to optimize your transfers in near real-time.

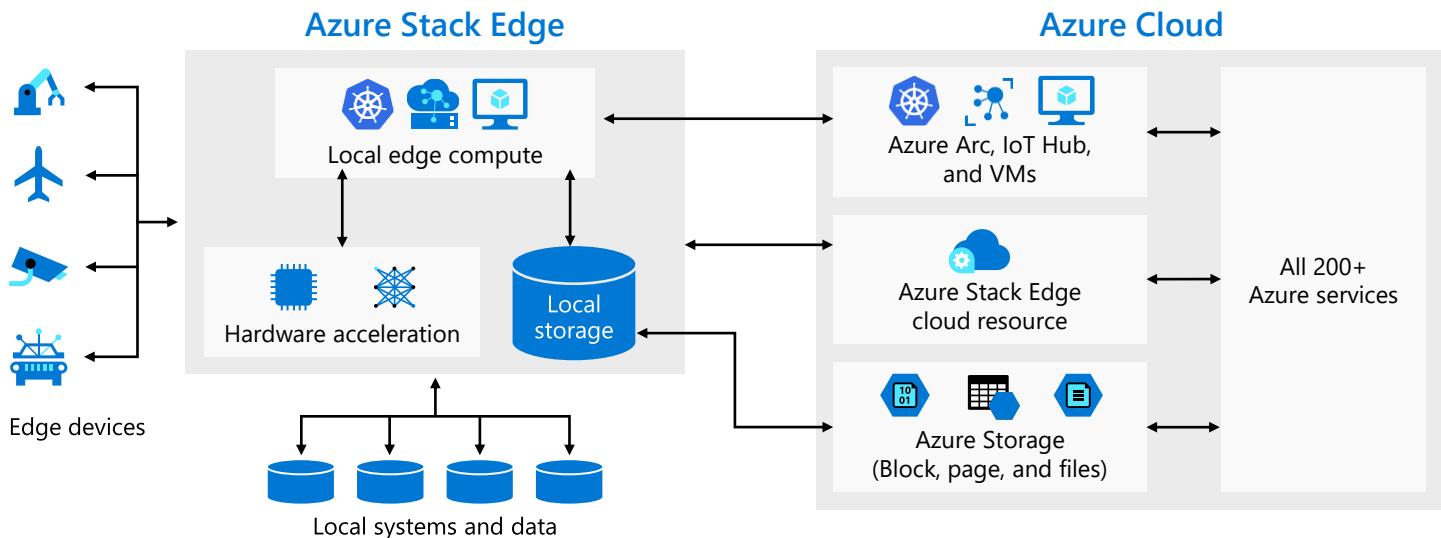
Azure Stack Edge Pro R is a cloud managed edge compute appliance from Microsoft. Instead of purchasing it, order from Azure as a service and pay monthly on your Azure subscription.



Do more at the Edge

Bring the compute, storage, and intelligence of Azure to anywhere in the world, giving you fast results on your data right where it is generated.

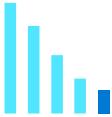
How Azure Stack Edge Rugged Edge Appliance enables edge computing and machine learning



Why use Azure Stack Edge Pro R

The Azure Stack Edge Pro R Appliance brings the compute, storage, and intelligence of Azure right to where you need it—anywhere in the world. It is simple to order and use, with high-speed connectivity to efficiently transfer data to the cloud. Easily manage your fleet of Azure Stack Edge devices from the Azure portal.

Use it to help solve challenges for edge use cases such as:



Edge and remote site compute

Run applications for your mission at remote locations to speed transactions and address bandwidth constraints in the harshest conditions.

Machine learning at the edge

Run Machine Learning models instantly at edge locations, transfer the data set you need to Azure and analyze large data sets.

Internet of Things

Includes Azure IoT Edge to enable connecting to all of your local IoT devices and analyzing the data they generate.

Regulatory compliance

Analyze data locally before sending to the cloud to ensure it is compliant and follows your data policies in any environment.

Network data transfer from the edge to any rugged appliance or Azure

Easily and quickly transfer data to Azure for further compute or archival purposes or to expedite your cloud migration.

Technical specifications

Specification	Details
CPU	2x10 core Intel Xeon silver 4114 CPUs
RAM	256 GB (2666 MT/s)
Local cache capacity	53.8 TB (all SSD)
Data protection/security	AES 256-bit encryption
Form factor	1U rack mount server, 29.6" deep, ruggedized case
Network interface	2x 25/10 Gbe SFP+ 2x 1 Gbe RJ45
Accelerated ML	NVIDIA Tensor Core T4 GPU
Power	110/240 (50/60 Hz)
Configuration options	Azure Stack Edge Pro R Azure Stack Edge Pro R+ UPS Azure Stack Edge Pro R+ extreme weather kit Azure Stack Edge Pro R+ UPS + extreme weather kit 4 Azure Stack Edge Pro R+ extreme weather kit; 4 UPS in a second case



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