

Azure Stack Edge

An Azure managed appliance that brings the power of Azure compute, storage, and intelligence to the edge

As the world digitizes, organizations generate more and more data at the edge. Data comes from many sources such as cameras, IoT sensors, and industrial automation. Organizations can benefit from analyzing, modifying, and filtering data where it is generated, and only transfer what they need to the cloud for further processing or storage.

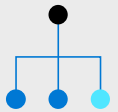
Azure Stack Edge brings the compute, storage, and intelligence of Azure right to where you need it—whether that's your corporate data center, your branch office, or your remote field location.



Get faster insight with edge computing. Speed up time to results by processing data close to its source without waiting for a round trip to the cloud. Analyze, transform, and filter data at the edge, sending only the data you need to the cloud for further processing or storage. Use the cloud to push containerized applications to Azure Stack Edge devices at all your locations.



Benefit from hardware-accelerated machine learning. Build and train machine learning models in Azure, then utilize the built-in Intel Arria10 FPGA to accelerate the results locally on Azure Stack Edge. Upload the full dataset or a subset to the cloud to retrain your models and make your edge devices smarter.



Manage your edge appliance through the Azure portal. Order your appliance from the Azure portal as a service and pay monthly on your Azure subscription. Azure Stack Edge allows you to use the same management portal, access credentials, and development tools across your cloud and edge environments. Configure, monitor, patch and update the appliance and containerized applications from the Azure portal.



Transfer data to Azure over the network. Azure Stack Edge acts as a cloud storage gateway and enables eyes-off data transfers to Azure, while retaining local access to files. With its local cache capability and bandwidth throttling to limit usage during peak business hours, Azure Stack Edge can be used to optimize your transfers to Azure.

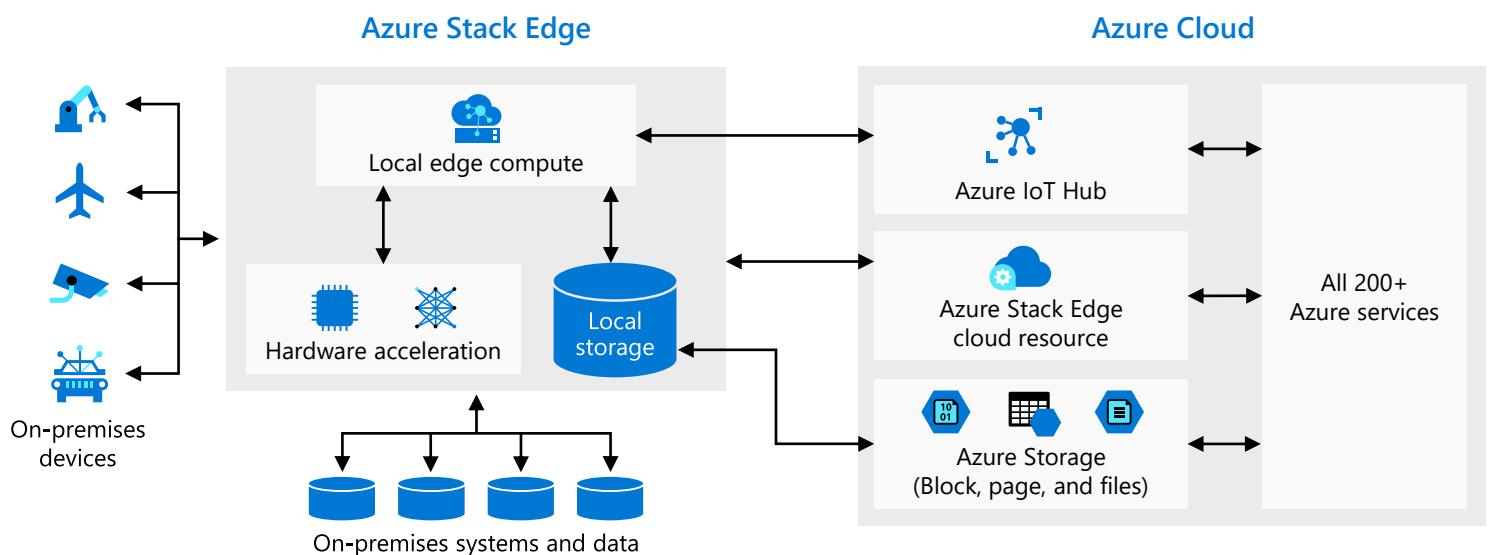
Azure Stack Edge is a cloud managed edge compute appliance from Microsoft. Instead of purchasing it, order from Azure as a service and pay monthly on your Azure subscription.



Do more at the Edge

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

How Azure Stack Edge enables edge computing and machine learning

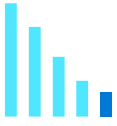


Azure Stack Edge combines IoT Edge and accelerated ML inferencing in a cloud-managed edge computing appliance delivered as an Azure service

Why use Azure Stack Edge

The Azure Stack Edge appliance brings the compute, storage, and intelligence of Azure right to where you need it – whether that's your corporate data center, your branch office, or your remote field location. 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 scenarios like these:



Edge and remote site compute

Run applications at remote locations to speed transactions and address bandwidth constraints.



Machine learning at the edge

Run Machine Learning models right at the edge locations, transfer the data set you need to Azure to retrain and continue to improve your model.



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 corporate data policies.



Network data transfer from the edge to the cloud

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 CPUs
RAM	128 GB
Local cache capacity	12 TB NVME flash storage
Data protection/security	AES 256-bit encryption
Form factor	1U rack mount server, 29.6" deep
Network interface	4x25 GbE SFP+, 2x1 GbE
Accelerated ML	Intel® Arria® 10 FPGA
Power	110/240 (50/60 Hz)



To order
Azure Stack Edge
or learn more

The Azure Stack Edge is available today.

To order Azure Stack Edge or to learn more about other products in the product family, visit azure.com/azurestackedge.