



Azure Data Box

A fast, simple, and secure way to move data to Azure

Transferring large data sets to the cloud

Customers are telling us that their storage systems are bursting at the seams. And, while the cloud is the obvious place to store all of this data, what's the best way to get it there—especially in limited network bandwidth scenarios?

Networks are the best first choice, but if the data is very large or the network is overburdened, moving data can be a problem. For example, 1 PB of data will take three years to migrate over a network with 100 Mbps of available bandwidth. Fortunately, there is an alternate solution: Azure Data Box.

Azure Data Box minimizes impact to network

Data Box helps you quickly move large amounts of data to Azure at minimal impact to the network. Use it to migrate workloads and virtual machines or big data. The entire process is fast, simple, and secure.

Fast

Quickly move workload data, or the data from hundreds of archived tapes, into Azure. With 10 Gbps LAN connections and express shipping, you can take advantage of the 100 TB capacity Data Box to move data fast, in most cases faster than a 1 Gbps connection.

Simple

It's as easy as this: Connect to your network, unlock and start filling the Data Box. Order and monitor using the familiar and intuitive Azure portal.

Secure

Data Box protects your valuable data with built-in security protections at every level. Externally, Data Box has a hardened, tamper-resistant case for safe transport. Internally, data is secured with AES 256-bit encryption, and is accessible only with a key provided separately from Data Box. Once your data is uploaded to Azure, Data Box is wiped clean, sanitized in accordance with NIST 800-88 R1 standards.



With a 100 TB capacity Data Box, you can move data fast—in most cases faster than a 1 Gbps connection.

Trusted cloud services

Startups, governments, and 90 percent of Fortune 500 businesses run on Azure. Microsoft [leads the industry](#) in establishing clear security and privacy requirements and then consistently meeting these requirements.

How Data Box moves your data into Azure



ORDER

Order via the Azure Portal, prep your data



RECEIVE

Get your Data Box via express shipping



FILL

Fill Data Box with its 10 Gbps connections



RETURN

Use included shipping label to return it to Azure



UPLOAD

Microsoft inspects your Data Box, uploads it, and wipes the device clean

Why use Data Box

Data Box can help solve data transfer challenges for scenarios like these:

Backup. Azure is an excellent alternative for your off-site backup data, providing a scalable and cost-efficient platform.

Archive. Archiving data for compliance is an important part of an IT manager's role. The multiple tiers in Azure maximize flexibility for archive data.

Big data. Analytics is the key to extracting value from big data. Azure has the tools you need to get the most from your data.

Media and entertainment. Media libraries are large and constantly growing. Move them to Azure to create and expand your cloud-based media library.

Technical specifications

Specification	Details
Storage capacity	100 TB raw; ~80 TB usable
Data protection/security	AES 256-bit BitLocker encryption
Weight	~50 lbs/23 kg
Network interface	2 x RJ45 10/1 Gbps, 2 x SFP+ 10 Gbps Ethernet
Access protocol	SMB/CIFS and NFS Azure Blob Storage ^{PREVIEW}
Supported Azure storage types	Block Blob, Page Blob, Azure Files Managed Disk
Physical security	Tamper-evident rugged device casing.
Power	110/240 (50/60 Hz)
Dimensions	17 in. H x 20 in. D x 12.2 in. W 43 cm x 51 cm x 31 cm

How to order a Data Box

The Data Box service is available today. To order a Data Box or learn more about other products in the Data Box family, visit <http://azure.com/DataBox>.