Synology

Datasheet

ActiveProtect Appliance

DP7400

Last updated: Oct 15,2026

ActiveProtect Appliance

DP7400



Integrated Data Protection Solution for Enterprises

The Synology ActiveProtect DP7400 is a purpose-built backup appliance designed for enterprise environments and growing businesses and can be deployed at company headquarters, data centers, or branch offices, depending on your backup requirements.The DP7400 comes with pre-configured hardware and software, called the ActiveProtect Manager. It can function as a centralized management server to streamline backup, recovery, and data protection operations across your entire site. As a high-performance appliance, the DP7400 is designed to safeguard backups and backup copies while providing proactive protection against ransomware.

- **Fast deployment**
  Start protecting your data within minutes
- **Safeguard all workloads**
  Safeguard SaaS, IaaS, VMs, physical devices, and database data on a single console
- **End to end data visibility**
  Manage and monitor up to 2,500 servers or 300,000 workloads. Deploy at company headquarters to store local backups or backup copies
- **Maximize backup & storage efficiency**
  Optimize your backup speeds with CBT and remove redundant data with source-side and server-side deduplication
- **Ransomware defense**
  Implement the 3-2-1-1-0 policy for immutable data protection, auto backup verification, off-site backups, and sandboxed DR tests
- **Recovery made flexible**
  Recover data across cloud or on-premises platforms with P2V, P2C, V2V, V2C, C2V data recovery
- **On-demand scalability**
  Tier your data to the cloud or on-premises solutions to free up space

Rapid enterprise-wide data protection deployment

Instead of spending hours setting up your data protection solution, essential configurations such as disk partitioning and RAID setup are completed automatically, enabling users to start protecting data immediately. The DP7400 comes as a pre-configured backup appliance that includes all the required hardware components.

Centralized workload protection

Safeguard all workloads including physical devices, virtual environments, SaaS, and more, including Windows PCs, Macs, Linux, VMware vSphere, Microsoft Hyper-V, Nutanix AHV, Proxmox VE, NetApp ONTAP, Nutanix Files, Synology NAS, Microsoft 365 services, Google Workspace services, Oracle Database, Microsoft SQL Server, Azure VM, and Amazon EC2.

Manage your backups and gain full visibility

Manage and monitor all backups, backup copies, tiered data, and more via a single console. Automate your data protection by setting protection policies to safeguard existing and new workloads with ease. Designed for large-scale enterprise environments, the DP7400 safeguards local backups or backup copies across distributed locations.

Optimized performance and storage efficiency

With Synology ActiveProtect's SURE (Synology Unified Reduction Engine) technology, ensure fast backups while maximizing storage capacity. With Changed Block Tracking (CBT) technology, only modified data blocks are backed up as a way to minimize data transfer and optimize backup efficiency. In addition, Synology ActiveProtect also leverages source-side deduplication to remove duplicate data before data transmission and server-side deduplication to remove redundant data across backup appliances.

Designed with data security at its core

The DP7400's security mechanism is based on the principle of least-privilege authentication and network protection, ensuring that data is protected at every stage from data access to backups to storage and restoration.

- **Network architecture:** Configure firewall settings to only allow access from devices within specified IP ranges and subnets, and ensure only authorized backup appliances can perform data transmissions. The built-in management port is an isolated interface dedicated to management purposes, separate from data flow, to reduce security risks.
- **Identity and access controls:** Enforce least-privilege access with admin roles, so each user only has the permissions they need. Integrate with Active Directory, LDAP, or SAML 2.0 to use your existing SSO with MFA, and automatically block suspicious IPs to prevent unauthorized login attempts.
- **Encryption:** Prevent sensitive data from being exposed even if the device is stolen by encrypting at the volume level with the DP7400 as a way to maintain data confidentiality and meet compliance requirements.
- **Logging and monitoring:** Retain, view, and export logs for regular audits, and receive a periodic summary of backup and recovery activities via email. For real-time visibility, set up SNMP traps, SMTP notifications, or syslog forwarding to integrate with existing monitoring platforms and receive alerts as they happen — so IT can trace user activity and stay on top of things.
- **Updates and maintenance:** ActiveProtect Manager automatically updates to the latest version, keeping your system secure and reducing the risk of data breaches. If vulnerabilities are found, Synology is ready to validate the security issues and release relevant patches or fixes.
- **Ransomware defense:** Meet the 3-2-1-1-0 backup strategy to ensure data resiliency. Verify data automatically during backups to ensure clean copies of your data can be stored. Detect and repair any data errors with self-healing capabilities. Conduct DR drills via ActiveProtect's built-in sandbox. Secure backups with WORM (Write Once Read Many) technology so that no changes or deletions can be made to your data. Safeguard clean copies of your backups off-site in an air-gapped environment via logical or physical isolation.

Recover data with confidence

Seamlessly move data across cloud and on-premises platforms, and restore it flexibly across cloud, virtual, and physical environments such as Azure VM, Amazon EC2, VMware vSphere, Microsoft Hyper-V, and more, to meet Recovery Time Objectives (RTO) for data mobility and disaster recovery (DR). Perform bare-metal recovery, file-level restoration, and download your backups to restore data as needed.

Perform disaster recovery drills regularly in a sandboxed environment without any impact on your production site. Verify your backups and automatically generate recovery videos for audit purposes.

Scale your infrastructure as your needs change

Use version tiering to move data to remote storage such as Synology NAS, C2 Object Storage, Wasabi Cloud Storage, Azure Blob Storage, or AWS S3, for easy storage expansion and long-term data retention.

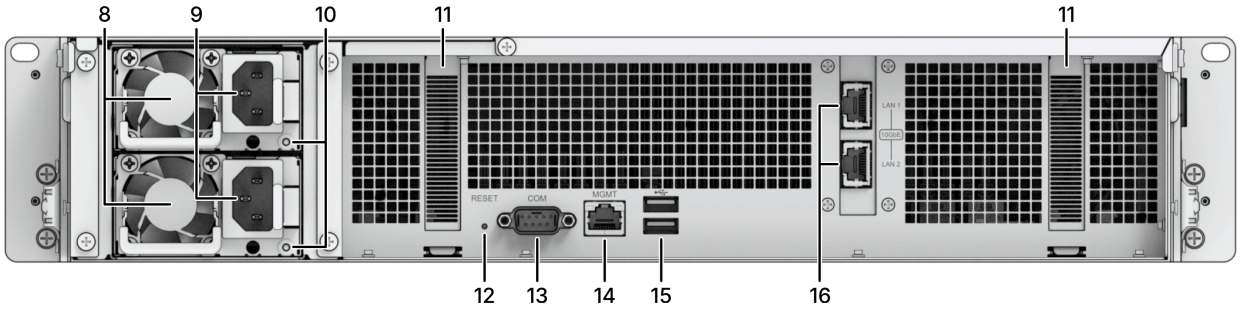
As your business grows, add new backup appliances and manage them all through ActiveProtect Manager's centralized console.

Hardware Overview

Front



Rear



No.	Name	No.	Name
1.	Power button and Indicator	9.	Power Port
2.	Status indicator	10.	PSU Indicator
3.	Alert Indicator	11.	PCI Express Expansion Slot
4.	Beep Off Button	12.	RESET Button
5.	Drive Status Indicator	13.	Console Port
6.	Drive Tray	14.	Management Port
7.	Rail Kit Release Tab	15.	USB 3.2 Gen 1 ports
8.	PSU Fan	16.	10GbE LAN Port

Technical Specifications

General	
Raw Capacity[1]	140 TB
Capacity with Tiering[2]	Up to 4.49 PB
Cluster Management Capability[3]	Supports up to 2,500 servers or 300,000 workloads
Suggested Built-in Restored VM[4]	9
Notes	1. These values are estimates based on telemetry data and may vary depending on enterprise usage conditions. 2. Long-term archived data can be tiered to remote storage, keeping only the index locally to reduce local space usage. The Capacity with Tiering limit depends on the appliance data usage and the number of tiered workloads and versions. Contact the Synology team for evaluation. 3. ActiveProtect license is required. 4. When equipped with 128 GB of memory (additional memory modules required), the maximum number of virtual machines can be expanded to 17.

Hardware	
Form Factor	2U (RU)
CPU	AMD EPYC 7272 (12 cores)
Memory	64 GB (Max. 512 GB)
Storage Configuration	• 10 × 20 TB 3.5" HDD (RAID 6 + 1 Spare) • 2 × 3840 GB 2.5" SSD (RAID 1)
Network Interface	• 1 × 1GbE RJ-45 (Management) • 2 × 10GbE RJ-45 (Data transfer) • (Optional) 4 × 10GbE RJ-45 / SFP+ or 4 × 25GbE SFP28 (Data transfer)
Product dimensions (HxWxD)	88 × 430.5 × 692 mm
Weight	23.4 kg
AC Input Power Voltage	100V to 240V AC
Power Frequency	50 / 60Hz, Single Phase
Power Consumption	163.167 W
British Thermal Unit	556.91BTU/hr
Operating environment	• Temperature: 32°F to 95°F (0°C to 35°C) • Relative humidity: 8% to 80% RH
Storage environment	• Temperature: -5°F to 140°F (-20°C to 60°C) • Relative humidity: 5% to 95% RH

Environment & Packaging	
Certification	FCC, CE, BSMI, VCCI, RCM, UKCA, EAC, KC, UL, BIS
Environment Safety	RoHS compliant
Package Contents	• 1 x DP7400 main unit • 10 × 3.5” SATA HDD • 2 × 2.5” SATA SSD • 2 x C13 to C14 Power Cord • 1 x Front Cover • 1 x Accessory Pack • 1 x Quick Installation Guide
Warranty	5 Years
Notes	The warranty period begins from the purchase date indicated on the receipt. Learn more about the product's limited warranty.

SYNOLOGY INC. © 2026, Synology Inc. All rights reserved. Synology, the Synology logo are trademarks or registered trademarks of Synology Inc. Other product and company names mentioned herein may be trademarks of their respective companies. Synology may make changes to specification and product descriptions at anytime, without notice.