

# HAT3310-12T



**Brand:** Synology

**Product Code:** HAT3310-12T

**Availability:** 10

**Weight:** 720.00g

**Dimensions:** 147.00mm x 101.85mm x 26.11mm

**Call for Price:**

## Short Description

Synology HAT3310 12TB Plus Series SATA HDD 3.5" HAT3310-12T

## Description

### Reliable Drives for Home and Small Office Systems

Synology Plus Series SATA HDDs are designed to meet the reliability, endurance, and performance requirements of 24/7 storage in Synology small and medium-sized business storage systems. Stringent validation testing and NAS-class reliability ensure consistent performance in high-uptime and multi-user environments.

## Highlights

- **Reliable Always-On Operation** Backed by up to a 1.2 million hours MTBF1 and 180

TB/ year workload rating.

- **Tested for Maximum Reliability** Stringent validation and over 500,000 hours of testing ensure reliability in Synology systems.
- **Seamless Firmware Updates** Firmware updates can be performed directly in Synology DSM.
- **Reliable Recording Technology** Conventional magnetic recording (CMR) technology offers consistent performance.

### **Engineered for endurance**

Synology Plus Series HDDs are backed by up to a 1.2 million-hour mean time between failure (MTBF)<sup>1</sup> and a 180 TB per year workload rating, up to three times the limit of conventional desktop hard drives. Over 500,000 hours of compatibility and stress testing ensure smooth operation even under multi-user workloads.

### **Convenient firmware updates**

Users are automatically notified when firmware updates become available for Synology Plus Series HDDs and can update drives seamlessly from DiskStation Manager (DSM) on their Synology storage system, eliminating the need for third-party tools and disk removal for firmware updates.

# **The Synology advantage**



## **Durability**

Designed for 24/7 operation



## **Updates**

Seamless firmware updates through DSM



## **One-stop support**

Fast troubleshooting from Synology

**Hard drives designed for Synology systems**



## **Superior dependability**

Using 100% conventional magnetic recording (CMR) technology, Plus Series disk drives ensure consistent write performance throughout their lifespans.

Synology Plus Series HDDs have a workload rating of 180 TB per year  
Workload rating 180 TB/year

Synology Plus Series HDDs offer an MTBF of up to 1.2 million hoursMTBF up  
to1.2million hours

### **Easy firmware updates**

Firmware updates can be performed directly through DSM, ensuring drives benefit from the latest patches while eliminating the need for disk removal.



## **Comprehensive testing**

Synology Plus Series drives are subjected to thorough compatibility and stress testing to ensure smooth 24/7 operation under multi-user workloads.

Synology Plus Series HDDs undergo over 500,000 hours of cumulative stress testing to ensure maximum reliability

500K+ hours of testing

Hardware Specifications

|                                                 |                                                                         |
|-------------------------------------------------|-------------------------------------------------------------------------|
| General                                         |                                                                         |
| Capacity                                        | 12 TB                                                                   |
| Form Factor                                     | 3.5"                                                                    |
| Interface                                       | SATA 6 Gb/s                                                             |
| Performance                                     |                                                                         |
| Rotational Speed                                | 7,200 rpm                                                               |
| Maximum Sustained Data Transfer Speed<br>(Typ.) | 281 MB/s                                                                |
| Power Consumption                               |                                                                         |
| Active Idle (Typ.)                              | 3.30 W                                                                  |
| Random Read / Write 4KB Q1 (Typ.)               | 6.85 W                                                                  |
| Notes                                           | Power consumption may differ according to configurations and platforms. |
| Temperature                                     |                                                                         |
| Operating                                       | 5°C to 60°C 41°F to 140°F                                               |
| Non-operating                                   | 40°C to 70°C 40°F to 158°F                                              |

Product Gallery





