

Product Specifications

FX2421

Synology

Hardware Specifications

Applied Models	
Supports creating volumes across different units	• FS series:FS6400, FS3600, FS3400
Notes	• Expansion Unit FX2421 can only be used with identical expansion units. • To have better performance, we recommend creating storage volumes physically located within the same NAS or Expansion Unit, rather than creating volumes across your NAS and Expansion Unit. • DSM version requirement: 6.2.3-25426-2 or later version.
Storage	
Drive Bays	24
Drive Type (See all supported drives)	• 2.5" SAS HDD • 2.5" SAS SSD • 2.5" SATA SSD
Hot Swappable Drive*	v
RAID Management through Synology DSM	v
Notes	• Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the compatibility list. The use of non-validated components may limit certain functionality and result in data loss and system instability. • "Compatible drive type" indicates drives that have been tested to be compatible with Synology products. This term does not indicate the maximum connection speed of each drive bay.

External Ports

SAS IN-port

1

SAS OUT-port

1

Appearance

Size (Height × Width × Depth)

88 mm x 430.5 mm x 692 mm

Size (Height x Width x Depth)
(with server ears)

88 mm x 482 mm x 724 mm

Weight

14.5 kg

Rack Installation Support

4-post 19" rack (Synology Rail Kit - [RKS-02](#))

Notes

The rail kit is sold separately

Power

Power Supply Unit / Adapter

500 W

AC Input Power Voltage

100V to 240V AC

Power Frequency

50/60 Hz, Single Phase

Power Consumption

190.99 W (Access)

British Thermal Unit

651.68 BTU/hr (Access)

Redundant Power Supply

v

Notes

Power consumption is measured when it is fully loaded with HGST 1.8TB HUC101818CS4204 hard drive(s).

Temperature

Operating Temperature	0°C to 35°C (32°F to 95°F)
Storage Temperature	-20°C to 60°C (-5°F to 140°F)
Operating Humidity	8% to 80% RH
Storage Humidity	5% to 95% RH

Others

System Fan	80 mm x 80 mm x 4 pcs
Easy Replacement System Fan	v
Noise Level	57 dB(A)
Notes	Noise Level Testing Environment: Fully loaded with Toshiba 600GB AL14SEB060N hard drive(s) in the idle state. Two G.R.A.S. Type 40AE microphones, each set up 1 meter away from the Synology NAS at the front and rear. Background noise: 16.49-17.51 dB(A); Temperature: 24.25-25.75°C; Humidity: 58.2-61.8%

Certification

- UL
- FCC
- CE
- EAC
- VCCI
- RCM
- KC

Warranty

5 Years

Notes

The warranty period starts from the purchase date as stated on your purchase receipt. ([Learn more](#))

Environment & Packaging

Environment

RoHS Compliant

Packaging Content

- Main Unit × 1
 - Accessory Pack × 1
 - AC Power Cord × 2
 - Expansion Cable: MiniSAS-HD X 1
 - Quick Installation Guide × 1
-

Optional Accessories

- Enterprise Series 2.5" SATA SSD: [SAT5200 Series](#)
 - Rail Kit Sliding: [RKS-02](#)
-