TeraStation

BUFFALO™

TS5400RN

The Buffalo TeraStation 5400RN Rackmount is a high-performance four-drive 1U rack mountable network storage device ideal for businesses and demanding users requiring a reliable RAID-based NAS solution for larger networks and business critical applications. With the powerful Intel® Atom™ D2700 processor, TeraStation 5400RN Rackmount provides exceptional performance during file transfers and everyday NAS functions. TeraStation 5400 Rackmount runs many services simultaneously and the dynamic combination of the dual-core 2.13 GHz processor and 2 GB DDR3 RAM enables the unit to focus acutely on concurrent tasks with minimal performance degradation. Experience maximum network throughput while surveillance video is recording from multiple IP-based cameras, remote users access content, and a replication job runs in the background.
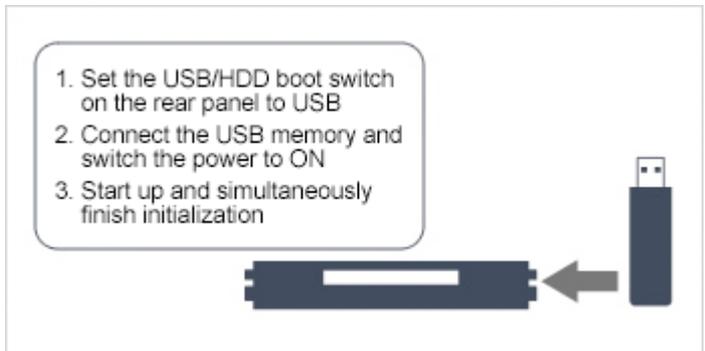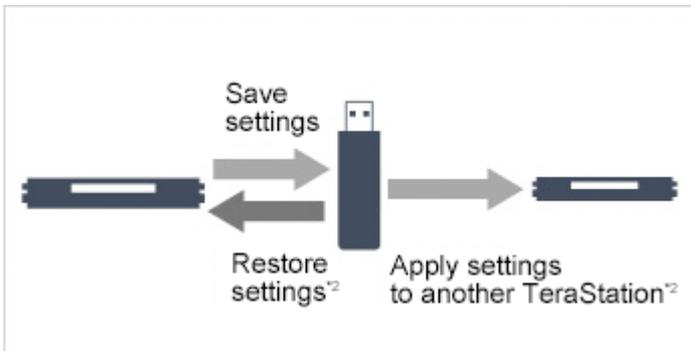
■ Hard drives designed for NAS systems

Especially designed for use in NAS systems, the TeraStation's hard drives feature highly new technologies for highly reliable and stable operation. The drives are also equipped with specialized NAS firmware designed specifically for the extended operation that NAS devises are famous for.

Features
- Reduced power consumption and operating temperatures
- Vibration and noise suppression
- Stable operation and lower operating costs

NAS HDD	**3** YEAR WARRANTY	GigaBit LAN 1000BASE-T	USB3.0 port	USB2.0 port
RAID 0/1/5/6/10	**4** Drive		iSCSI	Quick-Swap Drives
24/7 Reliability	IP Camera			

■ Supports USB Memory Recovery feature

Save settings
Restore settings*2
Apply settings to another TeraStation*2

1. Set the USB/HDD boot switch on the rear panel to USB
2. Connect the USB memory and switch the power to ON
3. Start up and simultaneously finish initialization

■ Data protection

• Supports RAID 6/5/10/1/0
The TeraStation features different RAID modes that can be selected for optimizing failure resistance, speed, capacity, or a combination.

• Replication and failover functions
The replication function simultaneously saves data to two TeraStations, thereby constantly providing a running backup. The failover function can automatically switch main operation to the backup TeraStation if the main TeraStation happens to go down.

• Hot spare
When a drive fails, the hot spare function automatically starts up the spare hard disk to maintain redundancy, protecting your valuable data.

• Hot-swappable drives
The internal drives are hot-swappable, so they can be replaced in the event of a hard drive failure, with no need to switch off the power.

Features

- Intel Atom 2.13 GHz dual-core CPU
- 2 GB DDR3 RAM (memory)
- Hard drives designed for NAS systems
- Works both as NAS and iSCSI
- Recovery from USB memory (settings, save and restore functions)

- Realtime replication and failover functions
- Supports RAID 6/5/10/1/0
- USB 2.0 and 3.0 ports
- Two LAN ports
- 3-yesr limited warranty

TS5400RN

Specifications

■ Internal Hard Drives

Number of Drives	4
Drive Interface	SATA II
Supported RAID Levels	0, 1, 5, 6,10

Drive Capacity					
TS5400DE	Enclosure	TS5400RN0404	4TB		
TS5400RN0804	8TB	TS5400RN1204	12TB	TS5400RN1604	16TB

■ LAN Interface

Standard Compliance	IEEE802.3/3u/3ab
Speed and Flow Control	10/100/1000 Mbps (Auto Sensing)
Number of Ports	2 x RJ-45 (Auto MDIX)

■ USB Interface

Standard Compliance	USB 3.0 / USB 2.0	
Connector Type	A type	
Number of Ports	2 x USB3.0 / 2 x USB2.0	
Feature	Hard Drive ✓	Print Server ✓

■ UPS Interface

Standard Compliance	D-Sub 9pin
Number of Ports	1

■ Key Feature

Failover	✓	Hotswap	✓	iSCSI Target	✓	WebAccess	✓
Replication	✓	HotSpare	✓	IP Camera	✓	Smartphone Application	✓
Media Cartridge	✓	Port Trunking	✓	Disk Encryption	✓		

■ Protocol Support

Networking	TCP/IP
File Sharing	CIFS/SMB, AFP, HTTP/HTTPS, FTP/SFTP/FTPS, NFS
Directory Integration	Active Directory
Management	HTTP/HTTPS
Time Synchronization	NTP

■ Others

Client OS Support	Windows® RT 8.1 / RT, Windows® 8.1 / Windows® 8 / Windows® 7 / Windows Vista™ (32/64bit) Windows® XP, Windows Server® 2012/ 2008 R2/ 2008/ 2003/ 2000 Mac OS® X 10.5 - 10.10
Power Consumption	74W (Average), 140W (Max)
Dimensions (LxWxH, mm)	430 x 429.5 x 44.3
Weight	9.0 kg
Operating Environment	5-35°C, 20-80% (non-condensing)
Power Supply	AC 100-240V, 50/60Hz
Warranty	3-year

■ Package Contents

TeraStation 5400RN (TS5400RN)	Mounting Rail Kit
Setup CD-ROM	Front Panel Key
LAN cable	Quick Setup Guide
AC Cable	Warranty Statement