

Ciphertex NAS RAID Migration Table

The NAS supports the following actions according to the number of hard disk drives and disk configurations supported. Please refer to the following table for the details.

Original Disk Configuration * No. of Hard Disk Drives	No. of New Hard Disk Drives	Action	New Disk Configuration * No. of Hard Disk Drives
RAID 5 * 3	1	Add hard drive	RAID 5 * 4
RAID 5 * 3	2	Add hard drive	RAID 5 * 5
RAID 5 * 3	3	Add hard drive	RAID 5 * 6
RAID 5 * 3	4	Add hard drive	RAID 5 * 7
RAID 5 * 3	5	Add hard drive	RAID 5 * 8
RAID 5 * 4	1	Add hard drive	RAID 5 * 5
RAID 5 * 4	2	Add hard drive	RAID 5 * 6
RAID 5 * 4	3	Add hard drive	RAID 5 * 7
RAID 5 * 4	4	Add hard drive	RAID 5 * 8
RAID 5 * 5	1	Add hard drive	RAID 5 * 6
RAID 5 * 5	2	Add hard drive	RAID 5 * 7
RAID 5 * 5	3	Add hard drive	RAID 5 * 8
RAID 5 * 6	1	Add hard drive	RAID 5 * 7
RAID 5 * 6	2	Add hard drive	RAID 5 * 8
RAID 5 * 7	1	Add hard drive	RAID 5 * 8
RAID 6 * 4	1	Add hard drive	RAID 6 * 5
RAID 6 * 4	2	Add hard drive	RAID 6 * 6
RAID 6 * 4	3	Add hard drive	RAID 6 * 7
RAID 6 * 4	4	Add hard drive	RAID 6 * 8
RAID 6 * 5	1	Add hard drive	RAID 6 * 6
RAID 6 * 5	2	Add hard drive	RAID 6 * 7
RAID 6 * 5	3	Add hard drive	RAID 6 * 8
RAID 6 * 6	1	Add hard drive	RAID 6 * 7
RAID 6 * 6	2	Add hard drive	RAID 6 * 8
RAID 6 * 7	1	Add hard drive	RAID 6 * 8
RAID 10 * 4	2	Add hard drive	RAID 10 * 6
RAID 10 * 4	4	Add hard drive	RAID 10 * 8
RAID 10 * 6	2	Add hard drive	RAID 10 * 8

Original Disk Configuration * No. of Hard Disk Drives	No. of New Hard Disk Drives	Action	New Disk Configuration * No. of Hard Disk Drives
RAID 1 * 2	1	Online RAID capacity expansion	RAID 1 * 2
RAID 5 * 3	1	Online RAID capacity expansion	RAID 5 * 3
RAID 5 * 4	1	Online RAID capacity expansion	RAID 5 * 4
RAID 5 * 5	1	Online RAID capacity expansion	RAID 5 * 5
RAID 5 * 6	1	Online RAID capacity expansion	RAID 5 * 6
RAID 5 * 7	1	Online RAID capacity expansion	RAID 5 * 7
RAID 5 * 8	1	Online RAID capacity expansion	RAID 5 * 8
RAID 6 * 4	1	Online RAID capacity expansion	RAID 6 * 4
RAID 6 * 5	1	Online RAID capacity expansion	RAID 6 * 5
RAID 6 * 6	1	Online RAID capacity expansion	RAID 6 * 6
RAID 6 * 7	1	Online RAID capacity expansion	RAID 6 * 7
RAID 6 * 8	1	Online RAID capacity expansion	RAID 6 * 8
RAID 10 * 4	1	Online RAID capacity expansion	RAID 10 * 4
RAID 10 * 6	1	Online RAID capacity expansion	RAID 10 * 6
RAID 10 * 8	1	Online RAID capacity expansion	RAID 10 * 8
Single * 1	1	Online RAID level migration	RAID 1 * 2
Single * 1	2	Online RAID level migration	RAID 5 * 3
Single * 1	3	Online RAID level migration	RAID 5 * 4
Single * 1	4	Online RAID level migration	RAID 5 * 5
Single * 1	5	Online RAID level migration	RAID 5 * 6
Single * 1	6	Online RAID level migration	RAID 5 * 7
Single * 1	7	Online RAID level migration	RAID 5 * 8
Single * 1	3	Online RAID level migration	RAID 6 * 4
Single * 1	4	Online RAID level migration	RAID 6 * 5
Single * 1	5	Online RAID level migration	RAID 6 * 6

Original Disk Configuration * No. of Hard Disk Drives	No. of New Hard Disk Drives	Action	New Disk Configuration * No. of Hard Disk Drives
Single * 1	6	Online RAID level migration	RAID 6 * 7
Single * 1	7	Online RAID level migration	RAID 6 * 8
Single * 1	3	Online RAID level migration	RAID 10 * 4
Single * 1	5	Online RAID level migration	RAID 10 * 6
Single * 1	7	Online RAID level migration	RAID 10 * 8
RAID 1 * 2	1	Online RAID level migration	RAID 5 * 3
RAID 1 * 2	2	Online RAID level migration	RAID 5 * 4
RAID 1 * 2	3	Online RAID level migration	RAID 5 * 5
RAID 1 * 2	4	Online RAID level migration	RAID 5 * 6
RAID 1 * 2	5	Online RAID level migration	RAID 5 * 7
RAID 1 * 2	6	Online RAID level migration	RAID 5 * 8
RAID 1 * 2	2	Online RAID level migration	RAID 6 * 4
RAID 1 * 2	3	Online RAID level migration	RAID 6 * 5
RAID 1 * 2	4	Online RAID level migration	RAID 6 * 6
RAID 1 * 2	5	Online RAID level migration	RAID 6 * 7
RAID 1 * 2	6	Online RAID level migration	RAID 6 * 8
RAID 1 * 2	2	Online RAID level migration	RAID 10 * 4
RAID 1 * 2	4	Online RAID level migration	RAID 10 * 6
RAID 1 * 2	6	Online RAID level migration	RAID 10 * 8
RAID 5 * 3	1	Online RAID level migration	RAID 6 * 4
RAID 5 * 3	2	Online RAID level migration	RAID 6 * 5
RAID 5 * 3	3	Online RAID level migration	RAID 6 * 6
RAID 5 * 3	4	Online RAID level migration	RAID 6 * 7
RAID 5 * 3	5	Online RAID level migration	RAID 6 * 8