

NetCache® C760 Appliance System Configuration

NetCache C760 Appliance System Memory

The C760 appliance system memory comes standard with a maximum of 1 GB.

Last updated: February 3, 2005

NetCache C760 Appliance NVRAM Memory

The C760 appliance comes standard with a maximum of 32 MB of NVRAM on the NVRAM II adapter in slot 9.

The C760 appliance NVRAM II adapter and SIMMs are compatible with the adapter and SIMMs for other F700/C700 series and the F630/C630 series.

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NetCache C760 Appliance SCSI Port Assignments

The following table provides the number of SCSI ports for disk drive devices that you can attach to the C760 appliance.

Device	C760 SCSI port¹	Notes
Shelves 1 and 2	8a	Slot 8 is occupied by a standard 2-port fast/wide/differential SCSI adapter that supports up to 4 disk shelves (PN: X2022A; required for support of up to 26 disk drives [4 disk shelves]).
Shelves 3 and 4	8b	
Shelves 5 and 6	7a	Slot 7 is available for an optional 2-port fast/wide/differential SCSI adapter (PN: X2022B; required for support of more than 26 disk drives [4 disk shelves]).
Shelves 7 and 8	7b	

¹ Each SCSI port on the NetApp C760 supports dual disk shelves that are connected to each other in a daisy chain. The first disk shelf in the chain is attached to the appliance's SCSI port.

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NetCache C760 Appliance StorageShelf Support

The following table shows the supported types of disk storage shelves and disk drives on the C760 appliance.

StorageShelf	Disk drives	Standard power supply/optional RPS	Notes
Dual StorageShelf 2	9-GB SCSI (PN: X219C): <ul style="list-style-type: none"> ● Maximum of 13 per shelf pair ● Maximum of 52 drives per C760 (4 shelf pairs x 13 9-GB disks = 468 GB total per C760). ● Uses standard dual-channel differential SCSI adapter in expansion slot 8 (PN: X2022A) and expansion slot 7 (PN: X2022B). Each port supports up to a pair of disk shelves. 	1/1 (110V-PN: X603 220V-PN: X604) Maximum of two power supplies per shelf.	Maximum of 8 Dual StorageShelf 2 shelves (4 pairs), which are available in the following configurations: 110V model: 6x9-GB drives (PN: X642C) 13x9-GB drives (PN: X643C) Empty (PN: X617) 220V model (2i): 6x9-GB drives (PN: X648C) 13x9-GB drives (PN: X649C) Empty (PN: X645)
Fibre Channel StorageShelf FC7	9-GB Fibre Channel (PN: X219F): <ul style="list-style-type: none"> ● Maximum of 7 per shelf ● Maximum of 56 drives per C760 (8 shelves x 7 9-GB disks = 504 GB total per C760) 	1/1 (110V-PN: X608) 220V-PN: X609) Maximum of two power supplies per shelf.	Maximum of 8 Fibre Channel StorageShelf FC7 shelves, which are available in the following configurations: 110V model: 3x9-GB drives (PN: X651A) 7x9-GB drives (PN: X652A) Empty (PN: X650A) 220V model: 3x9-GB drives (PN: X654A) 7x9-GB drives (PN: X655A) Empty (PN: X653A)

Fibre Channel StorageShelf FC8	18-GB Fibre Channel (PN: X221A): <ul style="list-style-type: none"> • Maximum of 7 per shelf • Maximum of 28 drives per C760 (4 shelves x 7 18-GB disks = 504 GB total per C760) 	1/1 (110/220V- PN: X610B) Maximum of two power supplies per shelf.	Maximum of 4 Fibre Channel StorageShelf FC8 shelves, which are available in the following configurations: Single power supply: 3x18-GB drives (PN: X671B) 7x18-GB drives (PN: X672B) Empty (PN: X650B) Redundant power supply: 3x18-GB drives (PN: X673B) 7x18-GB drives (PN: X674B) Empty (PN: X660B)
Fibre Channel StorageShelf FC8	18-GB Fibre Channel (PN: X221A or X221C): <ul style="list-style-type: none"> • Maximum of 7 per shelf • Maximum of 28 drives per C760 (4 shelves x 7 18-GB disks = 504 GB total per C760) 	1/1 (110/220V- PN: X610B) Maximum of two power supplies per shelf.	Maximum of 4 Fibre Channel StorageShelf FC8 shelves, which are available in the following configurations: Single power supply: 3x18-GB drives (PN: X671B) 7x18-GB drives (PN: X672B) Empty (PN: X650B) Redundant power supply: 3x18-GB drives (PN: X673B) 7x18-GB drives (PN: X674B) Empty (PN: X660B)
Fibre Channel StorageShelf FC9	9-GB Fibre Channel (PN: X223) or 18-GB Fibre Channel (PN: X221A or X221C): <ul style="list-style-type: none"> • Maximum of 7 per shelf • Maximum of storage support is 504 GB total per C760 	AC power supply: 110/220V PN: SP-611A DC power supply: 48V PN: SP-612A Two power supplies per shelf required.	Fibre Channel StorageShelf FC9 shelves are available in the following configurations: AC power supply: 7x18-GB drives (PN: X686A) Empty (PN: X680) DC power supply: 7x18-GB drives (PN: X686DC) Empty (PN: X680DC)

Note: Mixed disk shelf configurations using Fibre Channel StorageShelf and StorageShelf 2 on the same system are not supported.

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NetCache C760 Appliance Storage Capacity Limits

The maximum storage capacity of your appliance is determined by the number of disks the appliance supports and how the disks are used. The following table provides the number of disks you can use with your C760.

Maximum capacity of the appliance

Data disk number and size		Maximum size (in GB) ¹
Quantity	Size (in GB)	
52	9 SCSI wide	468
56	9 FC-AL	504
28	18 FC-AL	504

¹ Each number is a multiple of the number of disks supported and the size of the disk. It does not indicate storage size.

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32-bit Fibre Channel ⁵	X2030C	1			X						
NVRAM II											X

- 1 Expansion slots 4 and 5 are unavailable in a C760 appliance.
- 2 Use of these adapters requires NetCache 4.1 or later.
- 3 For optimum system performance, Network Appliance recommends that you install the first Gigabit adapter in the order of slot 8, slot 7, and slot 6. If slot 8 is occupied, then use slot 7; if both slot 8 and slot 7 are occupied, use slot 6.
- 4 Use of the onboard SCSI tape port in a C760 is not supported.
- 5 Use either the onboard Fibre Channel interface or the installed Fibre Channel adapter; not both. If your onboard FC-AL interface fails, terminate the interface, then install the Fibre Channel adapter in slot 3 (Requires NetCache 4.1 or later).

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