

NetApp F87 Filer Specifications

Operating System	Network Appliance Data ONTAP 6.1.2 software
Standard Software Features	Integrated automatic RAID manager, Snapshot™, Fast Boot, telnet, e-mail alerts, NIS, DNS, SNMP, FilerView™, NDMP, Typical system startup in <10 minutes
Network Protocol Support	NFS v2 / v3 over UDP or TCP, PCNFSD v1 / v2 for (PC)NFS client authentication, Microsoft® CIFS with NT LM 0.12 using NetBios over TCP / IP, HTTP 1.0, HTTP 1.1 Virtual Hosts
Licensed Software Products	SnapManager for Exchange, SnapRestore, DataFabric Manager, SnapMirror, Appliance Watch for HP Openview and BMC

Filer Specifications	NetApp F87 Tower	NetApp F87 Rackmount
RAID Storage Capacity		
Minimum Disk Drives 36/72	6	6
Maximum Disk Drives 36/72	8/8	8/8
Maximum Raw Capacity	576 GB	576 GB
File Systems (Minimum / Maximum)	1/ 4	1/ 4
Minimum RAID Group Size	1 Data / 1 Parity	1 Data / 1 Parity
Maximum RAID Group Size	7 data / 1 Parity	7 data / 1 Parity
Disk Drives Supported	36 / 72 GB LVD SCSI	36 / 72 LVD SCSI
ECC Memory	256MB	256MB
Non-Volatile Memory	64MB	64MB
Standard Network Connectivity	(1)On board 10/100BASE-T	(1) on board 10/100BASE-T
Optional Network Connectivity	(1) Gigabit Ethernet or (1) Quad 10/100 BASE-T	(1) Gigabit Ethernet or (1) Quad 10/100 BASE-T
SCSI Connection for Tape Backup	LVD, SE	LVD, SE
Diagnostics LED's	Yes	Yes
Tower Chassis	Yes	N/A
19" Rackmount Enclosure	N/A	Yes
Redundant Hot Plug Power Supplies	Yes	Yes
Redundant Cooling Fans	Yes	Yes

Filer Environment	NetApp F87 Tower	NetApp F87 Rackmount
AC Power	520 watts 100V – 120V/ 200V- 240V, AC, 6.5 / 3.5 A	520 watts 100V-120V / 200V- 240 V, AC, 6.5 / 3.5 A
Operating Environment	10° C to 35° C (50° F to 95° F) 8% to 80% relative humidity, non-condensing	
Non-operating Environment	-20° C to 65° C (-4° F to 149° F) 5% to 95% relative humidity, non-condensing, in original container.	
Thermal Rating	1774 BTU/hr	1774 BTU/hr
Operating Acoustic Noise	<45 dBA sound pressure (LpA) in normal operating conditions* <5.9 bels sound power (LWAd) in normal operating conditions*	<45 dBA sound pressure (LpA) in normal operating conditions* <5.9 bels sound power (LWAd) in normal operating conditions*
Dimensions	17.9" (h) x 9.0.5" (w) x 24.5" (d) 45.5 cm x 23.0 cm x 62.2 cm	5U rack height (8.6") depth 24.5" 21.8 cm (h) x 62.2 cm (d)**
Minimum Clearance	12" (30.48 cm) front, 12" (30.48 cm) rear***	32" (81.3 cm) front, 12" (63.5 cm) rear***
Weight	40.8 kg (90 lbs.) fully configured	40.8 kg (90lbs.) fully configured

Regulations	NetApp F87 Filer Appliance
Safety	EN 60950, EN60825-1, UL1950, CSA 950, TUV-GS, CE
RFI/EMI EMC	FCC Class A, EN 55022:1987, CE, AS/NZ 3548, BSMI, VCCI
Immunity	EN 55024, CE
X-ray	

F87 Filer Tape Drive Support

Qualified Tape Devices

Tape Drives	Interfaces	Max Number of Drives per F87
Exabyte Mammoth-2	LVD SCSI	1
Quantum DLT 7000	SE	1
Quantum DLT 8000	LVD SCSI	1
Sony AIT-2	LVD SCSI	1
Quantum Super DLT1	LVD SCSI	1
Seagate Ultrium LTO	LVD SCSI	1
IBM Ultrium LTO	LVD SCSI	1

LVD = Low Voltage Differential, SE = Single Ended

*Normal operating conditions consist of an active system operating at a room ambient of 23 deg. C at sea level

** The F87 four-post rackmount rail kit is designed to work with rack cabinets that have a minimum spacing of 730mm (28.75 in.) to a maximum spacing of 740mm (29.13 in.) from the front to the back of the Electronic Industries Alliance (EIA) flanges in the rack. The rail kit can be adjusted within that dimensional range. The standard rail kit is designed for mounting in square hole rack systems. Telco racks and other double two post round-hole rack systems require rack conversion kits that are also available from Network Appliance.

*** Clearance distances specified are minimums for maintenance operations. Please refer to the NetApp Hardware Site Requirements Guide for all filer minimum clearances requirements.

Specifications are subject to change without notice. Contact Network Appliance for current PCI adapter and disk drive support maximums.
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