Supported Hard Disks

IDE

Manufacturer	Model	Capacity	Firmware	Comment
IBM	DTLA-307075	76.8 GB		UDMA66
IBM	DJNA-352030	20.3 GB	J58OA30K	
IBM	DJNA-352500	25 GB	J51OA30K	
IBM	DJNA-351520	15.2 GB	J56OA30K	
IBM	DTTA-351010	10.1 GB	T56OA73A	
Western Digital	AC14300R	4.3 GB	17.01J17	
Western Digital	AC28400R	8.4 GB	17.01J17	
Western Digital	WD205AA	20.5 GB	80.10A80	
Western Digital	AC36400L	6.4 GB	09.09M08	
Western Digital	WD84AA	8.4 GB	29.05T29	
Seagate	ST320430A	20.4 GB	3.07	
Hitachi	DK239A-65	6.5 GB	00X5A0A0	2.5"
Maxtor	54098H8	39 GB	DAC105C0	

SCSI

Manufacturer	Model	Capacity	Firmware	Comment
HITACHI	DK31AH-36LW	36 GB		
HITACHI	DK32AH-18LW	18 GB		
IBM	IBM DRHS 36V	36 GB		*) LVD See note below
IBM	DORS-32160	2.2 GB	S82C	
IBM	DGHS-318200	18 GB		
IBM	DDRS-34560	4.6 GB	S97B	
IBM	DPSS-309170	9.1 GB	S80D	*) LVD See note below
QUANTUM	XP39100W	9.1 GB	LXY4	Enable narrow mode
QUANTUM	XP32150	2.1 GB	81HB	
QUANTUM	FIREBALL SE2.1S	2.1 GB	PJ09	
QUANTUM	FIREBALL EX6.4A	6.4 GB	A0A	With IDSC20 IDE-to-SCSI converter
QUANTUM	ATLAS IV 18 WLS	18 GB	0808	
QUANTUM	ATLAS IV 36 WLS	36 GB	0808	
SEAGATE	ST39173N	9.1 GB	4268	
SEAGATE	ST34573LW	4,5 GB	6246	*) LVD See note below
SEAGATE	ST39103LW	9,1 GB	0002	
SEAGATE	ST318275LW	18,2 GB	0001	
WESTERN DIGITAL	ENTERPRISE, WDE4360	4.3 GB	1.91	
WESTERN DIGITAL	WD183 Ultra2 10 000 RPM	18.3 GB	1.00	*) LVD See note below

Note: ❑ LVD disk use special converter from http://www.scsi-cables.com

ADP-9051 HD68 Male to 50-pin Male Ribbon Header, w/ "High-9" termination right-angle. or equivalent.

For all LVD-disks it's advisable to set the jumpers on the hard disk to “single ended mode”.

Tower and Drive Installation

Hardware Inventory

Unpack and inspect all parts for damage. Contact your dealer if anything is missing. All packaging materials are recyclable.

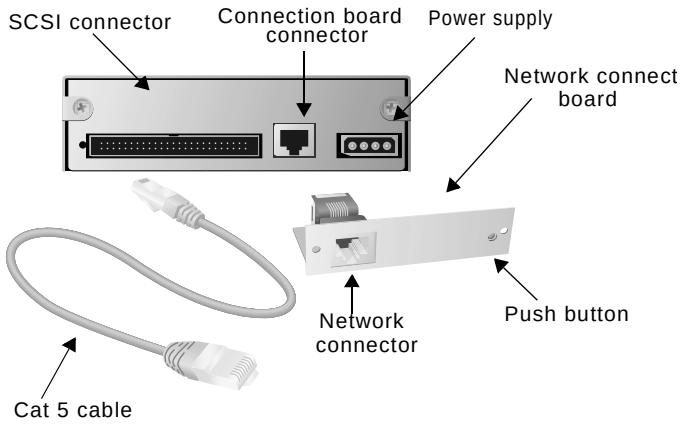
The standard delivery includes the following:

Hardware	Description	Part Number
Server	AXIS StorPoint NAS 100 IDE	0102-001-01
	AXIS StorPoint NAS 100 Wide SCSI	0099-002-01
4 Screws, **2 Screws**	(To attach the server unit)	15163 11998
Product Label	(To be attached to the back of the tower.)	16277
Network Connection Board	(To be mounted on the back of the tower)	16273
Shielded Cat 5 Cable	(To connect the server unit and the network connection board)	16283
CD-ROM	AXIS Storage Online CD ver. 1.0	17561
Printed Material	AXIS StorPoint Instant Up & Running ver. 1.0	17562

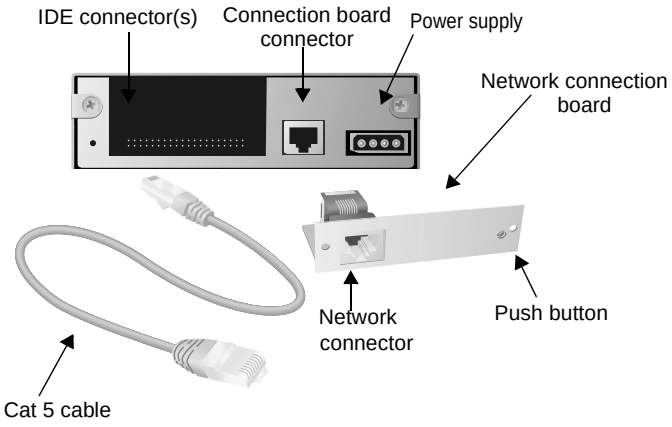
Physical Description

Familiarize yourself with your AXIS StorPoint NAS 100. This information provides a useful reference during the installation.

SCSI Server



IDE Server



Network Connector

AXIS StorPoint NAS 100 is equipped with a 100baseTX connector. The internal network connector will automatically adjust to 10baseT or 100baseTX, full or half duplex mode. Use a Category 5 UTP cable for the 100baseTX operation.

Note:

- When AXIS StorPoint NAS 100 has been installed in a tower, the network connector is found on the network connection board that appears at the back of the tower. Note that the network cable cannot be connected directly to the server unit.

SCSI Connector

SCSI server only: AXIS StorPoint NAS 100 has a SCSI connector for connecting wide SCSI hard disk drives.

IDE Connector

IDE server only: AXIS StorPoint NAS 100 has four IDE connectors for connecting ATA-4 IDE hard disk drives.

Push Button

The Push button is used for restoring the AXIS StorPoint NAS 100 parameters to the factory default settings.

LED Indicators

The AXIS StorPoint NAS 100 front panel indicators show the status of the unit. The indicators have the following functions:

- Status - Flashes during startup. The light turns solid green when AXIS StorPoint NAS 100 is ready for use.
- SCSI/Drive - Flashes to indicate disc access.
- Network - Flashes to indicate the presence of network traffic.
- Power - Remains on to indicate that power is present in the unit.

Serial Number

The AXIS StorPoint NAS 100 serial number is found on the labels at the underside of the server unit and at the back of the tower.

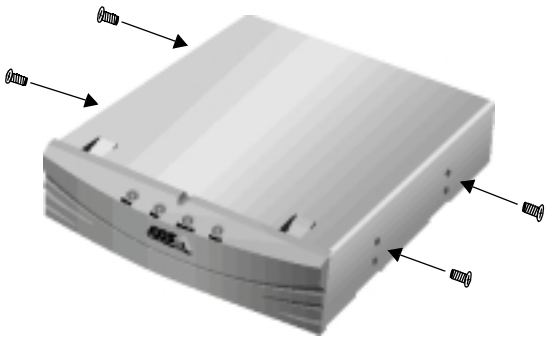
Installing AXIS StorPoint NAS 100 in a Tower

AXIS StorPoint NAS 100 is installed in standard 5.25 inch towers.

Caution! ❑ To avoid the risk of electrical chock or other injury, disconnect power from the tower before removing the chassis.

If not already installed in a tower when delivered, follow these steps:

1. Prepare the tower for the installation, e.g. by removing the chassis.
2. Make a note of the serial number of your AXIS StorPoint NAS 100, or attach the enclosed product label to the back of the tower. The serial number is found on the underside label of the unit and will be needed during the TCP/IP configuration.
3. Slide your AXIS StorPoint NAS 100 into the tower.
4. Fix your AXIS StorPoint NAS 100 with the four screws supplied. Use the upper or lower holes depending on type of tower and mounting.



Caution! ❑ The length of the screws must not exceed 0.2 inch (5 mm). If they do, the internal components of the AXIS StorPoint NAS 100 unit may be damaged.

5. Attach the power cord to your AXIS StorPoint NAS 100. The power supply connector is a standard PC 4-pin power supply connector (12 and 5 V DC). Hence, the power supply available in the tower can also be used to supply your AXIS StorPoint NAS 100.

6. Connect the external network connector board to your AXIS StorPoint NAS 100 using the shielded CAT 5 cable.

Important!

- ❑ It is not possible to connect an RJ-45 cable directly between the back of the AXIS StorPoint NAS 100 server unit and the hub.

7. Mount the board on the back of the tower. The mounting plate on the board fits into the standard Centronics cut-out available on most towers.
8. Attach the product label to the back of the tower.

Connecting IDE Hard Disk Drives to AXIS StorPoint NAS 100

A single AXIS StorPoint NAS 100 can service several hard disks.

- SCSI Server - The SCSI bus allows 15 hard disks to be connected to AXIS StorPoint NAS 100. Each unit on the SCSI bus must have a unique SCSI address. To work properly, the bus must be electrically terminated at both ends.
- IDE Server - The IDE bus allows 8 hard disks to be connected to AXIS StorPoint NAS 100. Each unit on the IDE bus must be assigned as Master or Slave.

Caution!

- ❑ Always make sure that power is not connected to the AXIS StorPoint NAS 100 unit or to any of the drives when making changes to the IDE bus. The bus may become damaged if you connect or disconnect any units when the power is on.

Connecting the SCSI Drives

To connect the SCSI drives to AXIS StorPoint NAS 100, follow these steps:

1. Connect the SCSI cable to the SCSI connector on AXIS StorPoint NAS 100.
2. Connect the SCSI cable to the hard disk(s).
3. Set a unique SCSI address 0 through 15, excluding 7, for each of the connected hard disks.

- ❑ The SCSI address of AXIS StorPoint NAS 100 is 7, and cannot be changed.

4. Connect an external, preferably active, SCSI terminator to the last drive in the SCSI chain. If there is only one drive, it is the last one in the chain and must be terminated. AXIS StorPoint NAS 100 has built-in SCSI termination which is always switched on. Therefore, the server must be physically located at one end of the chain.

Important!

- ❑ Do not terminate the hard disks placed between AXIS StorPoint NAS 100 and the last hard disk.

5. Switch the power on to the whole of the tower.
6. The AXIS StorPoint NAS 100 front panel indicators will flash during power-on and self-test. When the Status indicator stops flashing and turns solid green, AXIS StorPoint NAS 100 is ready for use.

Connecting the IDE Drives

To connect the IDE drives to your AXIS StorPoint NAS 100, follow these steps:

1. Connect the IDE cable to the IDE connector on your AXIS StorPoint NAS 100.
2. Connect the IDE cable to the drive(s).
3. Assign each of the connected drives to Master or Slave. Refer to the drive documentation for instructions on how to set the device type for your drives.

Note:

- ❑ The server must be physically located at one end of the cable.

4. Switch the power on to the whole of the tower.
5. The AXIS StorPoint NAS 100 front panel indicators will flash during power-on and self-test. When the Status indicator stops flashing and turns solid green, your AXIS StorPoint NAS 100 is ready for use.

Upgrading the Memory

You can increase the performance of your AXIS StorPoint NAS 100 by adding extra memory.

The basic 32 MB of RAM can be increased up to 160 MB. The extra cache memory will speed-up data flow rates when several users are reading/writing the same disk simultaneously.

Memory Modules

You can add one module of either 32, 64 or 128 MB in size.

32 MB Module

- 144-pin 8-byte SO DIMM
- 4Mx16 EDO DRAM based (4 pcs.)
- 3.3V
- 50 ns
- 4k refresh cycles
- A0-A11 address inputs

Use one of these modules or equivalent:

Manufacturer	Type
Centon	P/N CKE115TE4VD391G
Samsung	P/N KMM466F404BS2-L5
Toshiba	P/N THL64V4075ATG-5
Viking	P/N VC4641U4EN3-HT01
Golden RAM	P/N 92G7342
Southland Micro Systems	P/N SGE SD4X64E6V
Qestec	P/N QAX100/32, 32 MB 64bit EDO
K & P Electronic Trading GmbH	P/N PPMD35A32GE50AX

64 MB Module

- 144-pin 8-byte SO DIMM
- 4Mx16 EDO DRAM based (8 pcs.)
- 3.3V
- 50 ns
- 4k refresh cycles
- A0-A11 address inputs

Use one of these modules or equivalent:

Manufacturer	Type
Centon	P/N CKF115TE4VD391G
Samsung	P/N KMM466F804BS1-L5
Toshiba	P/N THL64V8015ATG-5
Golden RAM	P/N 76H0268
Southland Micro Systems	P/N SGE SD8X64E6V
Qestec	P/N QAX100N/64, 64 MB 64bit EDO

128 MB Module

- 144-pin 8-byte SO DIMM
- 16Mx8 EDO DRAM based (8 pcs.)
- 3.3V
- 50 ns
- 4K refresh cycles
- A0-A11 address inputs

Use this module or equivalent:

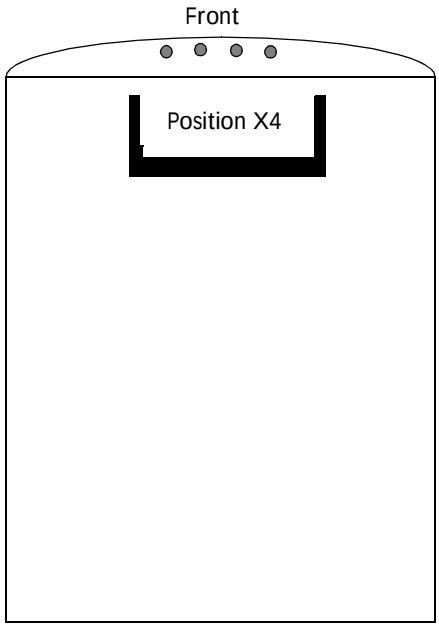
Manufacturer	Type
Centon	P/N CAX16MX64-5EVDG
Qestec	P/N QAX100N/128, 128 MB 64bit EDO P/N QAX100/128, 128 MB 64bit EDO

For contact information and links to the manufacturers, refer to the Axis Support Web at http://www.axis.com/techsup

Installation Procedure

Follow these steps to add the memory module:

1. Unplug the power supply from your AXIS StorPoint NAS 100.
2. Remove the server casing.



3. Mount the memory module by sliding it into the X4 socket at an angle of 45 degrees. Once the module is fully inserted, press it downwards towards the PCB, until the socket locks the module into place.

Caution!

- ❑ Always use an antistatic bracelet when handling the memory modules.

4. Replace the server casing.
5. Power up the unit. The new memory module is automatically identified and the usage optimized by AXIS StorPoint NAS 100.