Basic system
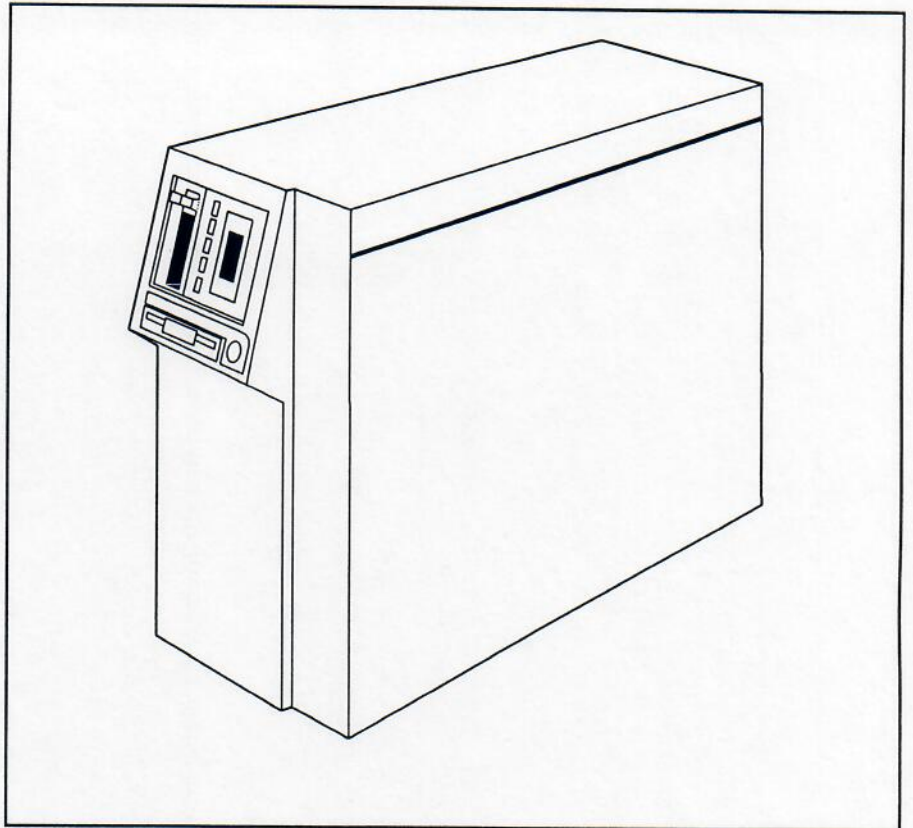
The basic system comprises:

- Mother board with
  - Processor M68030
  - Floating point processor M68881
  - 4 MByte primary memory
  - One SCSI port
  - Four V.24 asynchronous channels
- Power supply
- 3.5" diskette drive
- D-NIX operating system for an unlimited number of users
- D-MENU, menu system och UNIX utilities

Use this configuration guide to select primary memory, mass storage, backup facilities and ports as required by the application.
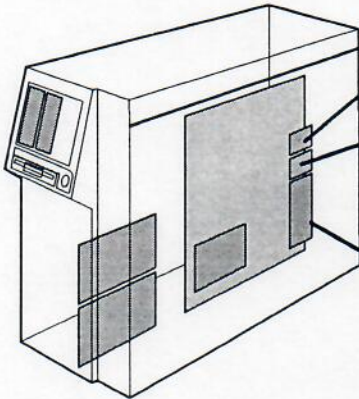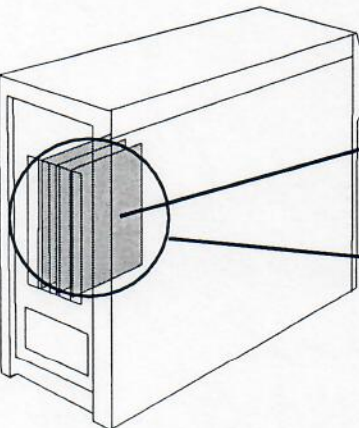
System expansion
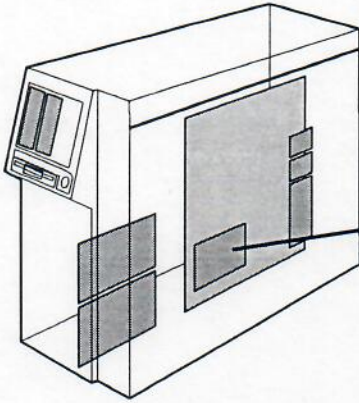
Memory expansion
The computer may be equipped with further primary memory. Memory modules are installed directly on the mother board.
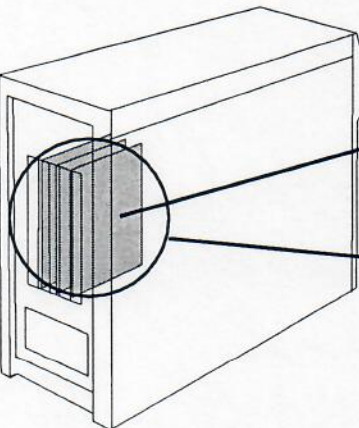
SCSI expansion
The computer may be equipped with an extra SCSI port to accept external hard disks and backup units.
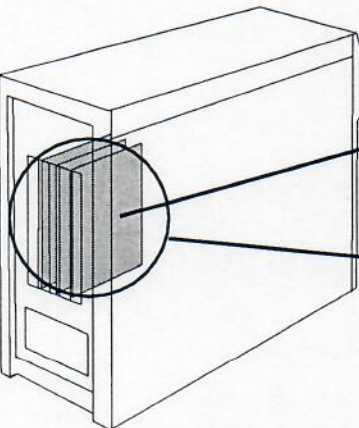
Ethernet expansion
The computer may be equipped with an internal Ethernet port, see Configuration guide ComC.

Serial ports
The number of asynchronous channels can be expanded with terminal boards and/or terminal concentrators.

Terminal boards
The terminal board 4xV.24 is controlled directly by the main processor and handles four channels. The terminal board is installed directly on the mother board.
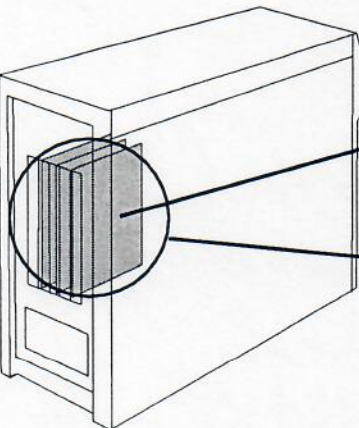
Terminal concentrators
The terminal concentrator 10xV.24 has ten channels and an onboard processor. The terminal concentrator thus does not load the main processor.
The terminal concentrator occupies one VME slot.
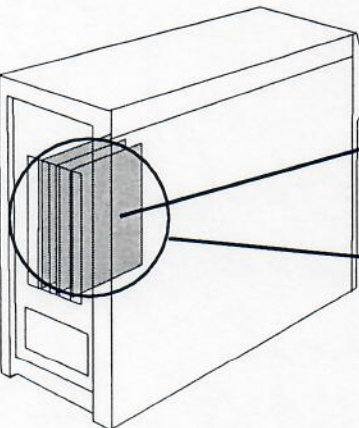
Expansion via VME
The computer can be equipped with a VME rack for flexibie expansion of communication and network ports (ComC/KOM-KIT II), ports for terminals (see above) and for connection of a 1/2" tape station. The VME boards are installed from the back of the computer.
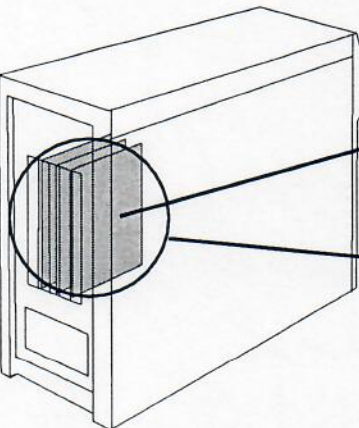
Backup units
Backup units are available in different versions, streamers, WORM, DAT, etc. The units are installed at the front of the computer.
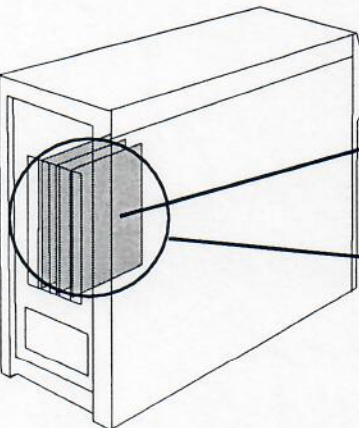
Mass storage units
The computer should always be equipped with sufficient mass storage. Disk capacity can be expanded in steps. The hard disks are installed inside the computer.
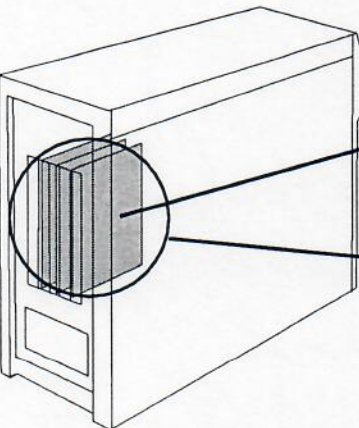
Additional mass storage
Further mass storage and backup units can be housed in a separate SCSI-CABINET.

UPS
For maximum operating reliability, the computer should be operated with a UPS and power fail indicator.

Min/max configuration

The computer may be configured within these limits. However, certain units can not be combined freely, see page 4.

Parameter	Min configuration	Max configuration
Primary memory	4 MB	20 MB
Serial ports	4	42
Comm ports	0	4
Network ports	0	2
Mass storage	500 MB	3 000 MB
Backup units	0	2 400 MB

Recommendations

The graph below shows how the computer may be expanded with primary memory in different applications. The expansion, however, depends very much upon the number and types of users as well as applications running on the system.

A normal user is defined as an office automation package user while a heavy user is defined as a 4GL or database user.
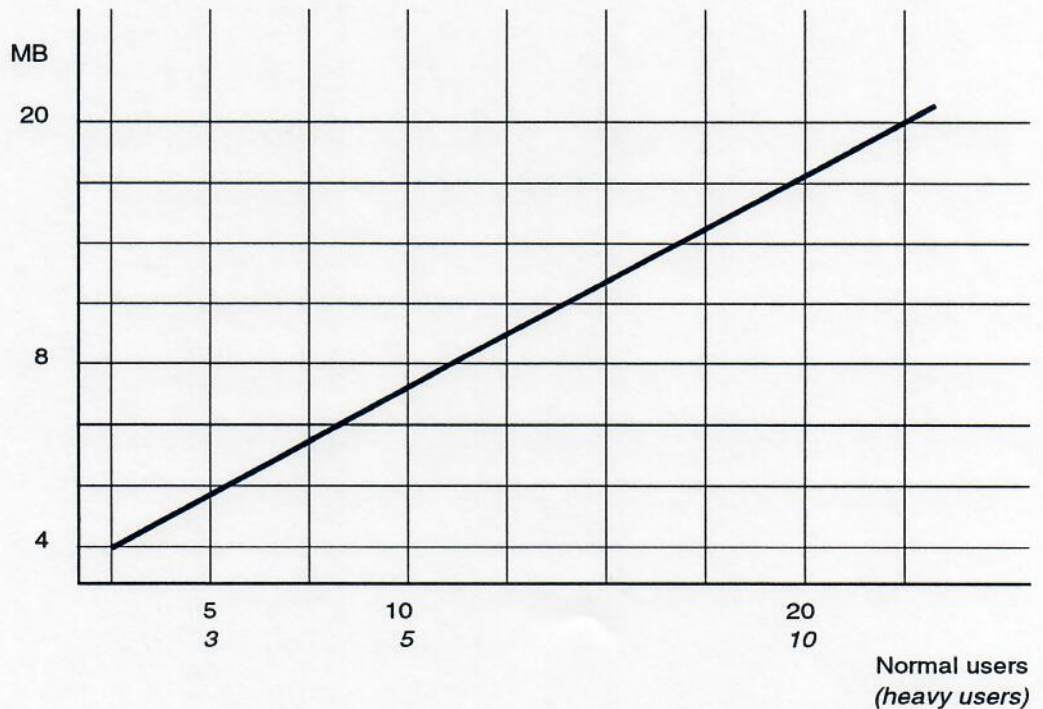
About the detail configuration...

Use the matrix on page 4 to configure the system. Cross out the units required in the actual system. At the same time, cross out expansion positions used. Please note the remarks regarding minimum numbers and the remarks regarding certain limitations in numbers and combinations.

Detail configuration

BASIC SYSTEM	
001-7351-20	

UNINTERRUPTIBLE POWER SUPPLY

POWER FAIL INDICATOR	UPS500
001-7269-00	012-9050-10

Select at least one basic system and UPS.

STD **EXPANSION**

CPU

MEMORY EXPANSION

MEMORY 4 MB	MEMORY POSITION

16 MB	4 MB
002-2035-04	002-2035-01

Select a maximum of 1 unit.

SCSI

SCSI PORT	SCSI PORT POSITION

EXTRA/ EXTERNAL SCSI	SCSI-CABINET (SEE SEPARATE CONFIG CHART)
001-7265-00	

ETHERNET

ETHERNET PORT POSITION

ETHERNET KIT II
(SEE ComC)

EXPANSION, SERIAL PORTS

PORTS 2XV24	TERMINAL BOARD POSITION

TERMINAL BOARD 4XV24	TERMINAL BOARD OPTO 4XV24
002-5172-10	002-5262-00

Select a maximum of 1 unit per line.

ComC PORTS 2XV24	TERMINAL BOARD POSITION

TERMINAL BOARD 4XV24	TERMINAL BOARD OPTO 4XV24
002-5172-10	002-5262-00

EXPANSION POSITION FOR VME & DB

EXPANSION VME & DB
001-7366-00

EXPANSION VIA VME

VME POSITION	KOM-KIT II	TERMINAL CONC 10XV24
	(SEE ComC)	001-7370-00

VME POSITION	KOM-KIT II	TERMINAL CONC 10XV24
	(SEE ComC)	001-7370-00

VME POSITION	TERMINAL CONC 10XV24
	001-7370-00

VME POSITION	TERMINAL CONC 10XV24	1/2" TAPE STATION
	001-7370-00	012-7104-0X 012-7114-00

Select a maximum of 1 unit per line. Note that the number of terminal concentrators is limited to 3.

MASS STORAGE UNITS

MASS STORAGE POSITION

EDU 500 MB	EDU 1000 MB	EDU* 2000 MB
001-7361-13	001-7361-15	001-7361-17

MASS STORAGE POSITION

EDU 500 MB	EDU 1000 MB	EDU* 2000 MB
001-7361-13	001-7361-15	001-7361-17

Select at least 1 unit.
Select a maximum of 1 unit per line.

*Must not be used as Boot device

BACKUP UNITS

3.5" DISKETTE DRIVE	BACKUP POSITION

EBU VIDEO 8	EBU 1.2 GB DAT	EWU OPTICAL DISK	ESU STREAMER
001-7364-XX	001-7365-00	001-7363-00	001-7362-XX

BACKUP POSITION

5.25" DISKETTE DRIVE	EBU 1.2 GB DAT	EWU OPTICAL DISK	ESU STREAMER
001-7360-00	001-7365-00	001-7363-00	001-7362-XX

Select a maximum of 1 unit per line.

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Configuration
SCSI-CABINET

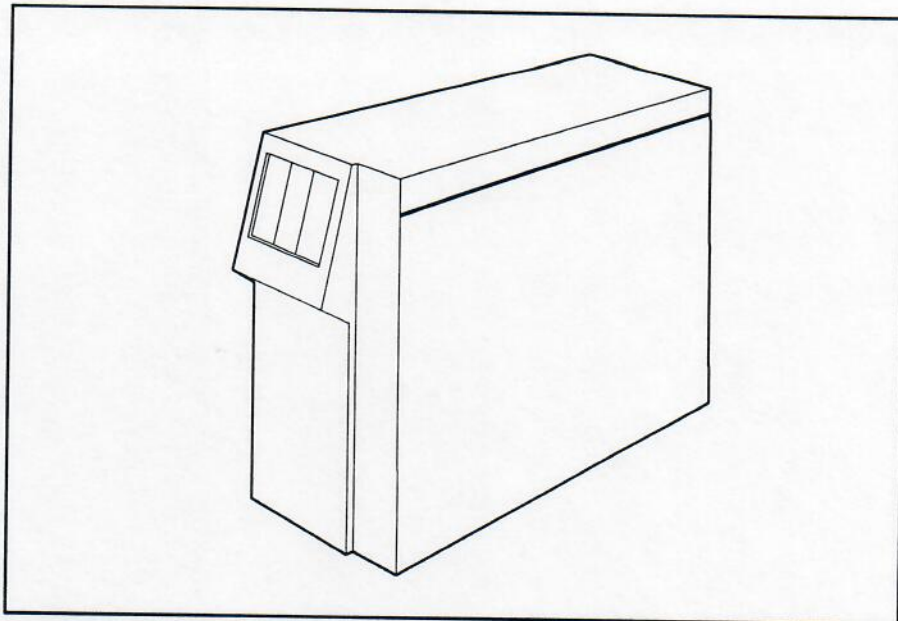The unit comprises:

• three slots for mass storage
• three slots for backup units
• power supply

Detail configuration

SCSI-CABINET
001-7373-00

STD   EXPANSION

MASS STORAGE POSITION

MASS STORAGE POSITION

MASS STORAGE POSITION

MASS STORAGE UNITS

EDU 500 MB	EDU 1000 MB	EDU* 2000 MB
001-7361-13	001-7361-15	001-7361-17
EDU 500 MB	EDU 1000 MB	EDU* 2000 MB
001-7361-13	001-7361-15	001-7361-17
EDU 500 MB	EDU 1000 MB	EDU* 2000 MB
001-7361-13	001-7361-15	001-7361-17

Select a maximum
of 1 unit per line.

*Must not be used as
Boot device

BACKUP POSITION

BACKUP POSITION

BACKUP POSITION

BACKUP UNITS

EBU VIDEO 8	EBU 1.2 GB DAT	EWU OPTICAL DISK	ESU STREAMER
001-7364-XX	001-7365-00	001-7363-00	001-7362-XX
	EBU 1.2 GB DAT	EWU OPTICAL DISK	ESU STREAMER
	001-7365-00	001-7363-00	001-7362-XX
	EBU 1.2 GB DAT	EWU OPTICAL DISK	ESU STREAMER
	001-7365-00	001-7363-00	001-7362-XX

Select a maximum of
1 unit per line.
Note that
EBU Video 8
occupies 2 positions.

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