

Nokia PC

Personal Computer



NOKIA DATA

Nokia PC

the friendly solution

Personal Computer you will feel comfortable to use

Nokia PC is designed to provide maximum comfort in continuous use – its ergonomics are carefully designed to eliminate user strain. The 15-inch display and low-profile keyboard meet the latest DIN standards. The flicker-free high quality screen with dark characters on a light background makes the display pleasant and reduces strain on the eyes.

Performance and reliability

Based on the very latest state-of-the-art technology Nokia PC provides power and expandability to satisfy a wide range of computing applications. Comprehensive testing during the manufacturing process guarantees the quality and reliability needed in heavy-duty use.

Personal Computer for distributed data processing

With local area network configurations and support for varying mainframe and public data network communications Nokia PC offers an ideal tool for distributed data processing in office environments. Ergonomic workstations combine local processing power and access to shared data resources including communication to head office data bases.

Nokia PC System Unit

Nokia PC is friendly and comfortable to work with also in heavy-duty professional use. It is uncompromising in its technical solutions: only the very latest state-of-the-art technology has been used. Thanks to the 16-bit Intel 80186 processor with an arithmetic co-processor as an option the master unit is extremely powerful, efficient and fast.

In Nokia PC System Unit five expansion slots are available for CRT and mass memory controller boards as well as for the main memory and I/O expansion boards. There are two channels on the basic processor board. The main memory can be expanded from 128 kB up to 768 kB.

Nokia PC System Unit includes two 5 1/4" floppy disk units with a capacity of 320 kB or 640 kB each. One of the floppies can be replaced with a Winchester disk of 5 or 15 MB to fulfil even the most demanding requirements set by an environment.

Keyboard

The sculptured low-profile Nokia PC Keyboard is detached for easy adjusting and operator comfort. Powerful keys allow the developing of easy-to-use user interfaces. The keyboard consists of an alphanumeric keypad, a separate .18-key numeric keypad, 8 soft-keys and 12 additional function keys. The keys are shaped in such a way as to give a good tactile response. The keyboard is connected to the display unit with a flexible cable.

Display unit

Nokia PC Display Unit is carefully designed to eliminate user strain. The VDU is easily adjustable and swivelled, and has a 15" non-flickering high-quality screen. The positive display has dark characters on a light background - pleasant on the eyes. The display unit features a compact overall design.

The display consists of 24+3 rows of 80 or 132 characters each. Other features include horizontal windows with the soft scroll capability, six character attributes and upper and lower case characters. Graphics of up to 800x330 pixel resolution is also included as an option.



Nokia PC software and expandability

The standard operating system of the Nokia PC is the MS-DOS[®]. For financial calculations, word processing, data base handling etc there is a large variety of commercial MS-DOS software available, both from Nokia or other sources.

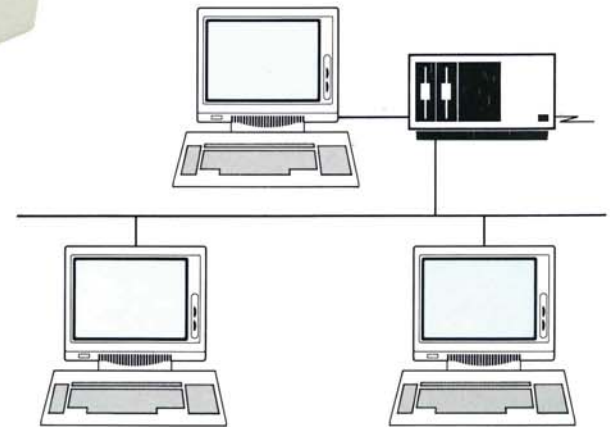
Nokia PC is also featured by magnificent data transfer possibilities such as the Ethernet type of local network NETNET and the most common IBM and Honeywell protocols.

Nokia PC can be easily expanded from a basic stand-alone version into a flexible multi-user Nokia MPS4 System by adding a Nokia local area network and up to 32 Nokia Ergonomic Work Stations. In multi-user configurations the MS-DOS runs in real-time taking care of the network management and access to shared data resources.

In its basic configuration the new Nokia PC is a personal computer for a demanding user. Together with a local area net, support for mainframe and public data network communications, these basic units can be configured in view of distributed data processing in office environment.

Nokia PC is designed to be a perfect ergonomic workstation. As a result, it fulfils the strict German and Scandinavian ergonomic standards, and in many respects surpasses them by a wide margin. And of course, behind the Nokia PC is the full backing of Nokia, one of the largest industrial companies in Finland.

© Microsoft Inc.





Technical data

Nokia PC System Unit

- Single Board Computer SBC186
 - 80186 Intel microprocessor (16-bit)
 - 128-256 kB dynamic RAM
 - 16-64 kB EPROM
 - CCITT V.24/V.28 or CCITT X.24/X.27 asynchronous or synchronous communications channel
 - CCITT V.24/V.28 asynchronous printer channel
 - Five-slot internal expansion bus
 - 8087 arithmetic co-processor as an option
- Video Display Controller CRTC186
- Mass Memory Controller MMC186
 - One or two 5 1/4" floppy disk drives with a formatted capacity of 320 kB or 640 kB per each drive
 - Optionally a 5 or 15 MB Winchester disk
- Memory Expansion MEME186
 - 256 or 512 kB dynamic RAM expansion as an option
- Serial I/O Expansion IOE186
 - Two high speed serial I/O channels
 - Both channels with V.24/V.28 or X.24/X.27 signals
 - Asynchronous or synchronous operation

Nokia PC Display Unit

- Monochrome Display Unit MDU15
 - 15 inch CRT
 - 70 Hz refresh frequency, noninterlaced
 - White phosphorus with dark characters on light background
 - Non-glare faceplate
 - Screen display of 24+3 lines of 80 or 132 characters
 - Three lines for system information
 - Character matrix of 8x(9+2) dots in a field of 10x15 dots
 - Up to 512 characters
 - Six character attributes for each character
 - Up to 8 horizontal windows with a soft scroll capability
 - High resolution graphics as an option (800 x 330 pixels)
- 14" colour display unit as an option



Nokia PC Keyboard

- A detached low-profile keyboard
- Adjustable tilt
- Separate numeric and function keys
- Sculptured profile with double shot-moulded keycaps
- 100 keys
- Flexible cable 1.5 m
- Keyboard locking as an option

Nokia EWS (Nokia Ergonomic Work Station)

- Ergonomic workstation with local data processing facilities without peripheral memory
- Same high-quality display unit as in Nokia PC
- Includes a downgraded version of SBC 186 with own single board computer
- Own power supply

Nokia NETNET

- Ethernet-type local area network
- 75-ohm coaxial cable with a transmission speed of 0.5 Mbps
- Maximum length 500 m
- Maximum number of connections 32
- CSMA/CD principle
- Connection with an adapter unit to the X.24/X.27 interface

Software

- MS-DOS operating system
- Network operating system with an MS-DOS compatible interface for each workstation in multi-user configurations.
- A variety of MS-DOS application packages
- Emulators
 - IBM 3270 SNA
 - IBM 3270 BSC
 - IBM 3780 BSC
 - VIP 7800
 - TTY etc.

Dimensions

• System Unit	
- height	230 mm
- width	325 mm
- depth	370 mm
• Display Unit	
- height	355 mm
- width	382 mm
- depth	340 mm
• Keyboard	
- height (A-row)	26 mm
- width	443 mm
- depth	212 mm

Our policy is a continuous development and improvement; we reserve the right to alter technical details.

NOKIA DATA

Oy Nokia Ab Electronics, Data Terminal Systems

Finland P.O.Box 780, SF-00101 HELSINKI 10, tel. (International) +35805671, (National) (90) 5671, telex 124563

Germany Nokia GmbH, Petersbrunner Strasse 8 a, D-8130 STARNBERG, tel. (08151) 3066, telex 526481

Sweden Nokia AB, Drivhjulsvägen 22-26, S-12630 HÄGERSTEN, tel. (08) 7447500, telex 11029

United Kingdom Nokia (U.K.) Ltd., Yorkhouse, Empire Way, Wembley, MIDDX HA9 0PA., tel. (01) 9000421, telex 8814680