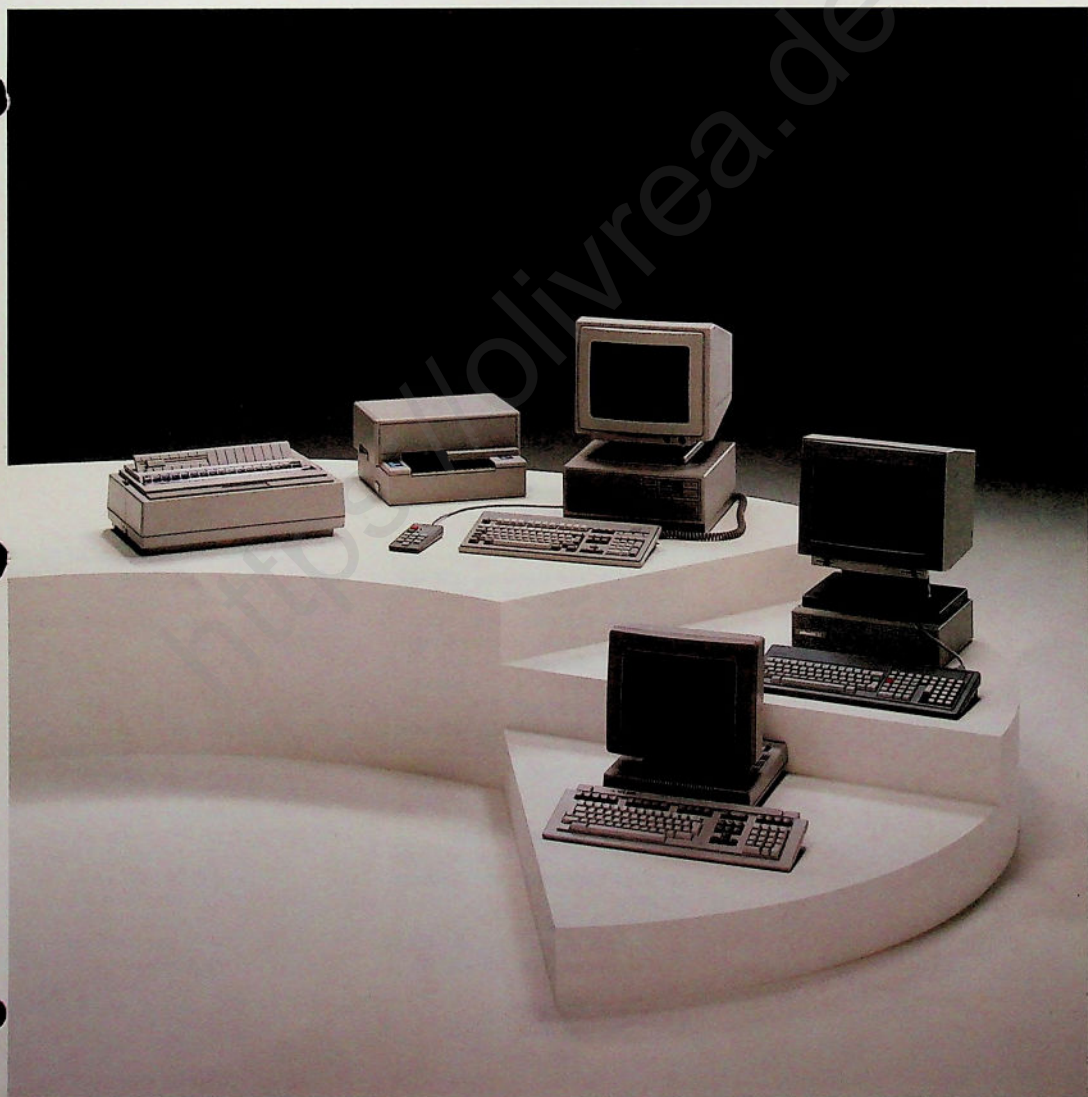


STEINER COMPUTER AG

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olivetti **NOVELL** NetWare

LSX 3000
MINICOMPUTER FAMILY
WORK STATIONS





A work station is the interface between the operator and the system. The basic work station includes the control electronics, a video display, a keyboard and, optionally, other input/output units. Additional devices are available to meet the needs of the applications being used. Work stations can be classified as either general purpose or professional devices, their functions vary according to the operating system used: MOS or X/OS (UNIX System V-based environment). They can be connected to models of the LSX 3000 line, either locally (up to 1000 meters) or remotely via a modem.

WS 685 - WS 685/M - WS 685/PC

The WS 685 is a VT220 compatible, asynchronous terminal used in the X/OS operating system environment. The WS 685/M is an asynchronous terminal that emulates the features of the ELB 3684 in a MOS environment. The WS 685/PC is a VT220 compatible asynchronous terminal with an Olivetti Personal Computer style keyboard used in an X/OS environment.

The models can be distinguished by their different logos and keyboard layouts.

- depth: 343 mm
- weight: 8.7 kg
- ☐ display attributes:
 - Blinking
 - Underlining
 - Highlight
 - Hide
 - Reverse
 - Frame

WS 685 keyboard

- ☐ low profile free-standing unit with adjustable tilt (7°, 11°, 15°)
- ☐ 105 keys with complete emulation of VT220 keys
- ☐ acoustic and light signals
- ☐ dimensions: 583 X 193 mm

WS 685/M keyboard

- ☐ low profile free-standing unit with adjustable tilt (7°, 11°, 15°)
- ☐ 105 keys with emulation of the alphanumeric keyboard without the ELB 3684 keys

WS 685/PC keyboard

- ☐ low profile free-standing unit with adjustable tilt
- ☐ 105 key PC version

Display

- ☐ 14" green, amber or white monochrome, swivel display with operator brightness and contrast controls
- ☐ available formats
 - number of columns: 40, 40, 80
 - number of lines: 13, 25, 25
- ☐ dimensions
 - height: 343 mm
 - width: 396 mm



ELB 3684

This is a typical general purpose work station for use in the MOS environment. It consists of: box, keyboard, display.

Box

The box contain the control electronics, two RS 232 outputs and two optional TTL outputs allowing the connection of banking type peripherals.

The dimensions are:

- ☐ height: 100 mm
- ☐ width: 365 mm
- ☐ depth: 285 mm

Keyboard

- ☐ alphanumeric multifunction with/without security keys, with:
 - 58 alphanumeric keys
 - 15 numeric keys
 - 32 function keys
- ☐ numeric multifunctional with/without security keys, with:
 - 15 numeric keys
 - 32 function keys

All keyboards are low profile with variable tilt and are equipped with acoustic and light signals.

- ☐ Dimensions
 - alphanumeric: 504 x 200 mm
 - numeric: 230 x 230 mm
- ☐ Weight
 - alphanumeric: 2.5 kg
 - numeric: 1 kg
- ☐ keyboard tilt: variable: 5°, 8°, 11°
- ☐ height of the "H" key from the work surface:
 - 5° = 31 mm
 - 8° = 35 mm
 - 11° = 38.5 mm
- ☐ space between keys: 1 mm
- ☐ distance between the centre of the keys: 19.2 mm
- ☐ key stroke: 3 mm

Display

Black and white alphanumeric, swivel with operator brightness and contrast controls.

Anti-reflection filters are available in four colours: neutral, amber, green and grey.

The visual attributes applicable to single characters (attributes can be combined) are:

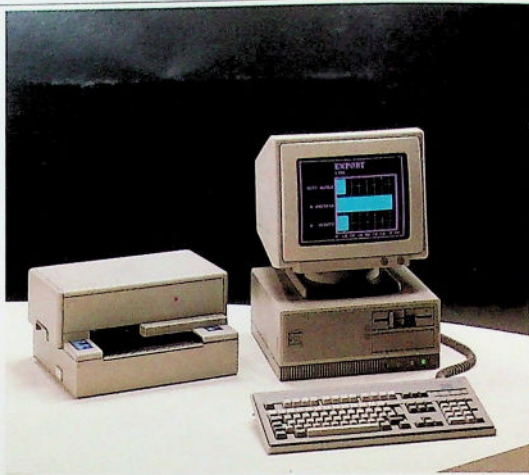
- ☐ Blinking
- ☐ Underlining
- ☐ Highlight
- ☐ Hide
- ☐ Reverse

9" display

- ☐ capacity: 520, 1000, 2000 characters
- ☐ number of columns: 40, 40, 80
- ☐ number of lines: 12, 25, 25
- ☐ dimensions
 - height: 325 mm
 - width: 240 mm
 - depth: 235 mm
 - weight: 6 kg

15" display

- ☐ capacity: 1000, 2000 characters
- ☐ number of columns: 40, 80
- ☐ number of lines: 25, 25
- ☐ dimensions
 - height: 345 mm
 - width: 370 mm
 - depth: 310 mm
 - weight: 14 kg



Olivetti PC

Olivetti Personal Computers can operate in:

- ☐ X/OS environment in VT220 emulation
- ☐ MOS environment in ELB 3684 emulation

Emulation in X/OS environment

- ☐ serial or network connection
- ☐ complete emulation of available VT220 functions
- ☐ two way file transfer with file conversion from X/OS environment to MS-DOS
- ☐ support of national versions by means of the "Unix International" character set
- ☐ switching between terminal emulation and MS-DOS environment

Emulation in MOS environment

- ☐ serial or network connection
- ☐ display-keyboard emulation
- ☐ handling of Olivetti printers
- ☐ handling of PC version printers (only hard copy and free running)
- ☐ PIN-Pad, badge reader, MICR, cash adapter handling
- ☐ suspension of the emulation environment to execute MS-DOS programs and resumption of the emulation environment (Context Switching).

Olivetti PB

in MOS, X/OS environment

In mixed PB/Minicomputer configurations, the PB hardware can be used in minicomputer dumb work station emulation.

The application programs are resident at minicomputer level with the possibility of Mini/PB two way file transfer (via file-transfer). The Mini/PB can handle specialized peripherals connected to it.

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MS-DOS is a trademark of Microsoft Corporation

X/OS is a trademark of Ing. C. Olivetti & C., S.p.A.

VT220 is a trademark of Digital Equipment Corporation