

*June 82*

## High performance and versatility.

The 1186 and 1185 Artificial Intelligence workstations represent a new standard of achievement in performance, versatility and affordability. Designed to meet the needs of both developer and end-user, these workstations have been engineered to provide efficient execution of Xerox's AI programming languages at a remarkably low cost.

The 1186's standard features include a high performance processor and the complete Interlisp-D programming environment, providing support for the full range of Xerox's AI programming languages and tools. The power and flexibility of the 1186 make it the most cost effective workstation designed specifically

for the efficient implementation of AI programming languages.

The 1185 supports the delivery of applications to the end user, offering a run time version of Interlisp-D specially developed to achieve the optimal price/performance ratio.

A personal computer option, consisting of a co-processor able to run software written for the IBM PC or IBM PC/XT, is available for the 1186 and 1185. Both are fully compatible with Xerox's network systems (Ethernet) architecture and with a wide range of Xerox AI workstation options.



## **Xerox 1186 and 1185** **Artificial Intelligence Workstations**



## Xerox 1186 and 1185 Artificial Intelligence Workstations

### Features

- Provides a high performance processor, with system architecture designed for efficient execution of Artificial Intelligence programming languages.
- 32 MB virtual memory.
- Supports a Personal Computer Option, consisting of a co-processor able to run software written for the IBM PC or IBM PC/XT, with simultaneous execution and windowing of both 1186 and 1185 and PC environments on the display.
- Can be configured as a standalone work-station, or directly connected to a Xerox Ethernet (IEEE 802.3) local area network.
- Offers a choice of two high resolution (80 pixels per inch) bitmapped monochromatic displays: 15-inch or 19-inch. The 19-inch display is standard on the 1186.
- Includes a low profile, tactile feedback, ergonomically designed, QWERTY keyboard with adjustable tilt. Interlisp-D software supports a wide range of other keyboard layouts including DVORAK, MATH, etc.
- Includes an optical mouse for pointing in a windowed environment and graphics applications.
- Provides 1.1 Mb memory, with the ability to expand to 3.7 Mb in .5 Mb increments.
- Provides a choice of 10 Mb, 20 Mb, 40 Mb or 80 Mb rigid disk drives.
- Supports an optional 500 Kb unformatted (360 Kb formatted) floppy disk drive. Drive housing is separate from processor housing and is movable to desktop with optional extension cable.
- Offers both an RS232C DTE communications port, and an RS232C DCE serial printer port.
- Includes an expansion slot for future growth.
- Designed for easy serviceability with plug removable disk and power supply.
- State-of-the-art technology using custom gate arrays.

### The keys to Artificial Intelligence are at Rank Xerox

### Specifications

#### Electrical Requirements

AC power is obtained from grounded wall sockets. Voltage required at the outlets is 194 to 264 volts at 50Hz  $\pm 0.5$ . The 1186 and 1185 require one outlet for the processor and display. The display receives power from the processor by using an outlet on the back of the unit. Current, 4.13 Amperes for 1186/1185 Processor supporting maximum configuration and 15 inch display.

#### Physical Specifications

##### 15" Display

Display Area:  
Width: 279mm (11in)  
Height: 221mm (8.7in)  
Depth: 381mm (15in)  
Weight: 13.6kg (30lbs)

##### Keyboard

Adjustable Tilt: 5° or 11°  
Width: 438mm (19in)  
Height: 32mm (1.25in)  
Depth: 191mm (7.5in)  
Weight: 1.82kg (4lbs)

##### Processor Unit

Width: 242mm (9.5in)  
Height: 546mm (21.5in)  
Depth: 318mm (12.5in)  
Weight: 22.7kg (50lbs)  
(standard configuration)

##### 19" Display

Display Area:  
Width: 386mm (15.2in)  
Height: 295mm (11.6in)  
Depth: 406mm (16in)  
Weight: 17.25kg (38lbs)

##### Optical Mouse

Width: 57mm (2.25in)  
Height: 32mm (1.25in)  
Depth: 95mm (3.75in)  
Cable to Keyboard Length:  
762mm (30in)

##### Floppy Disk Drive Option (housing)

Width: 242mm (9.5in)  
Height: 51mm (2in)  
Depth: 318mm (12.5in)  
Weight: 2.72kg (6lbs)

#### Operating Environments

##### Temperature

10°C-32°C (50°F-90°F)

##### Relative Humidity

15%-85%

##### Altitude

to 1830 metres (6000 feet)

##### Heat Dissipation BTU/hr

Processor (max config less display): 1462  
Processor (min config less display): 853  
15-inch display: 205  
19-inch display: 341  
Floppy disk drive: 68