

# Product Catalog



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## From Sand To Systems.

You may know Samsung as the world's largest manufacturer of high-quality computer monitors. But we also produce a full line of PC and LAN computers for virtually every application. And as you'd expect, every Samsung PC reflects only the highest standards of quality and value.

Samsung is a true manufacturer—turning sand into systems. From silicon sand, we produce our own high-speed memory chips. We also manufacture every component found in our world-renowned monitors. Because we carefully control every step of the manufacturing process, you're assured of quality, reliability and affordability. Finally, every product is backed by the strength and reputation of Samsung—a \$31 billion industrial corporation—the world's 17th largest.

## PC Products



### 4 Value Runs In Our Family.

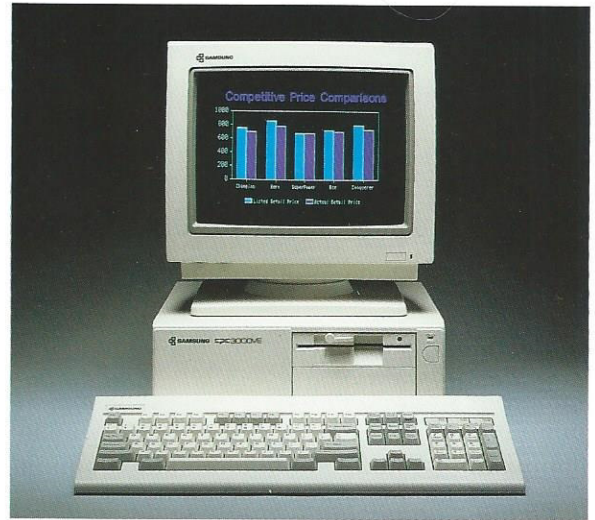
As a world leader in the PC industry, Samsung offers a broad selection of high-quality, reliable, full-featured personal computers. From our high-speed portables to our high-powered 386 systems, every Samsung PC is an exceptional value that combines high performance with affordable prices.

That's why thousands of Samsung computers are purchased by other manufacturers for sale under their own label. Industry insiders have long known that while you can pay more for a computer, you can't get a better value than you can from Samsung.

Whether you're new to computing or a seasoned power user, you'll find a Samsung PC that offers just the right combination of features for your needs and applications.

## S3000VE

10 MHz XT® Compatible



5

Affordable XT compatible serves well as either a stand-alone system or a low-cost LAN workstation.

**10MHz operating speed** delivers enough power for demanding tasks.

**Full-featured standard equipment** includes 768KB RAM, one 360KB 5 1/4" floppy drive and a 101-key keyboard. Supports all standard graphic modes with an optional CGA, EGA or VGA video adapter.

**Expansion capabilities** are provided by five expansion slots, one available drive bay, and built-in parallel and serial ports.

#### Specifications Summary

<b>Microprocessor</b>	8088-1
<b>Operating Speed</b>	4.77MHz or 10MHz, keyboard selectable
<b>On-Board RAM</b>	768KB
<b>Expansion Slots</b>	Five 8-bit; all available
<b>Built-in Ports</b>	One serial, one parallel port
<b>Data Storage</b>	One 360KB 5 1/4" floppy disk drive; one additional drive bay available
<b>Power Supply</b>	90 Watts
<b>Keyboard</b>	101-key, enhanced AT compatible
<b>Dimensions</b>	14.0" x 5.7" x 15.0" (W x H x D)
<b>Operating System</b>	MS-DOS; GW-BASIC

## S550

12 MHz AT® Compatible



6

The compact, yet powerful S550 is the ideal partner for a wide range of personal computing applications.

**Fast, 12MHz operating speed** with one wait state.

**Standard equipment includes 1MB of RAM**, a 1.2MB 5 1/4" floppy disk drive, two additional drive bays, eight expansion slots, a built-in parallel port and two serial ports.

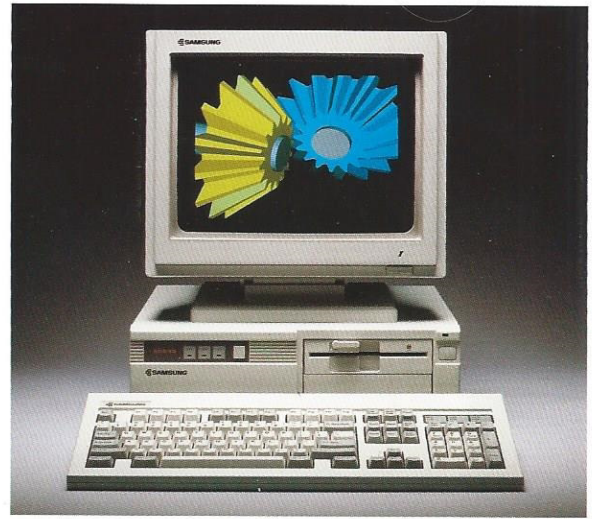
**Supports all standard graphic display interfaces** by installing an optional CGA, EGA or VGA video display adapter.

### Specifications Summary

<b>Microprocessor</b>	80286
<b>Operating Speed</b>	8MHz or 12MHz, one wait state, keyboard selectable
<b>On-Board RAM</b>	1MB
<b>Expansion Slots</b>	Eight; six 16-bit, two 8-bit; all available
<b>Built-in Ports</b>	Two serial, one parallel port
<b>Data Storage</b>	One 1.2MB 5 1/4" floppy disk drive; two additional drive bays available
<b>Power Supply</b>	200 Watts
<b>Keyboard</b>	101-key, enhanced AT compatible
<b>Dimensions</b>	16.0" x 6.1" x 16.0" (W x H x D)
<b>Operating System</b>	MS-DOS; GW-BASIC

## SD630

12 MHz AT® Compatible



7

Affordable 286 processing power with a wide range of features, the SD630 is an excellent choice as a stand-alone system or powerful workstation.

**12MHz operating speed** handles demanding programs with ease.

**Full range of standard features** includes 640KB RAM, 101-key enhanced AT keyboard, a 1.2MB 5 1/4" floppy disk drive, two additional drive bays, one parallel and two serial ports.

**Supports all standard graphic display interfaces** by installing an optional CGA, EGA or VGA video display adapter.

### Specifications Summary

<b>Microprocessor</b>	80286
<b>Operating Speed</b>	8MHz or 12MHz, one wait state, keyboard selectable
<b>On-Board RAM</b>	640KB expandable to 2MB on the motherboard
<b>Expansion Slots</b>	Five 16-bit; all available
<b>Built-in Ports</b>	Two serial, one parallel port
<b>Data Storage</b>	One 1.2MB 5 1/4" floppy disk drive; two additional drive bays available
<b>Power Supply</b>	135 Watts
<b>Keyboard</b>	101-key, enhanced AT compatible
<b>Dimensions</b>	14.0" x 5.6" x 15.5" (W x H x D)
<b>Operating System</b>	MS-DOS; GW-BASIC

## S800

20 MHz 386® AT Compatible



8

An outstanding combination of power, performance and value. Perfect as a stand-alone system, powerful workstation, or fast, low-cost files server.

**20MHz operating speed** and 1MB of RAM.

**Full-featured standard equipment** includes a 1.44MB 3 1/2" floppy disk drive, a 1.2MB 5 1/4" floppy disk drive, eight expansion slots, two serial ports, one parallel port and a 101-key enhanced AT keyboard.

**Additional data storage is available** with three half-height drive bays.

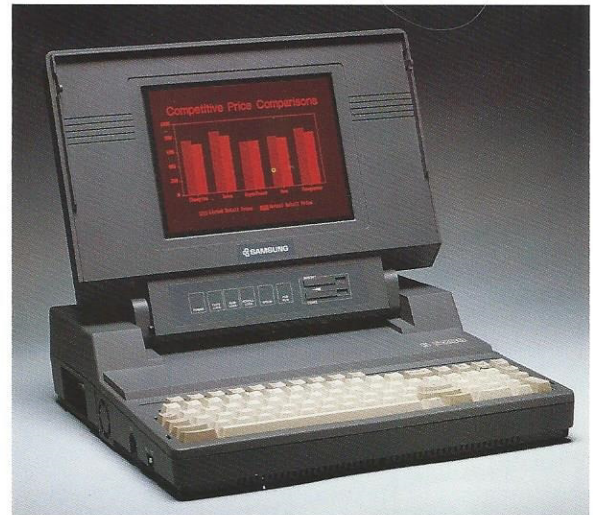
**Supports all standard graphic displays** with an optional video adapter.

### Specifications Summary

<b>Microprocessor</b>	80386
<b>Operating Speed</b>	10MHz or 20MHz, zero wait state, keyboard selectable
<b>On-Board RAM</b>	1MB; expandable to 8MB
<b>Expansion Slots</b>	Eight; one 32-bit, six 16-bit, one 8-bit
<b>Built-in Ports</b>	Two serial, one parallel port
<b>Data Storage</b>	One 1.2MB, 5 1/4" floppy disk drive and one 1.44MB 3 1/2" floppy disk drive; three additional drive bays available
<b>Power Supply</b>	240 Watts
<b>Keyboard</b>	101-key, enhanced AT compatible
<b>Dimensions</b>	20.9" X 6.6" X 16.8" (W x H x D)
<b>Operating System</b>	MS-DOS; GW BASIC

## S5200

12MHz Portable AT® Compatible



9

Compact, high-speed portable with all the features of advanced desktop computers, including a built-in 32MB hard disk drive and 640 x 400 gas-plasma display with external EGA video port.

**Powerful 12MHz 80286 microprocessor** for fast operating speed. Includes an internal 32MB hard disk and 1.44MB 3 1/2" floppy disk drive, full-size 84-key keyboard and 1MB RAM.

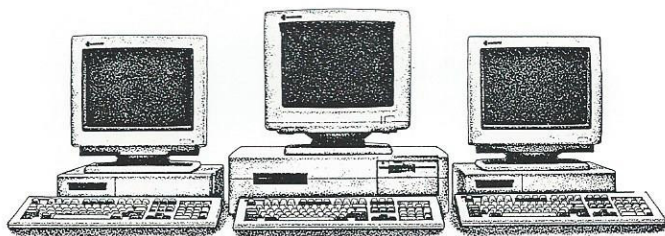
**Additional storage and expandability** is provided with two internal expansion slots (one 8-bit, one 16-bit).

**External ports are provided** for EGA monitor, 101-key keyboard, parallel port and serial port.

### Specifications Summary

<b>Microprocessor</b>	80286
<b>Operating Speeds</b>	8MHz or 12MHz, one wait state
<b>On-board RAM</b>	1MB; expandable to 4MB
<b>Expansion Slots</b>	Two; one 8-bit and one 16-bit
<b>Built-in Ports</b>	One serial port, one parallel port, one external keyboard port, one external EGA monitor port
<b>Data Storage</b>	Internal 32MB hard disk drive; one 1.44MB 3 1/2" floppy disk drive
<b>Power Supply</b>	96 Watts
<b>Keyboard</b>	84-key, AT compatible
<b>Dimensions</b>	14.5" x 3.9" x 15.6" (W x H x D)
<b>Operating System</b>	MS-DOS; GW-BASIC

## LAN Products



### Samsung is Novell's Hardware Partner.

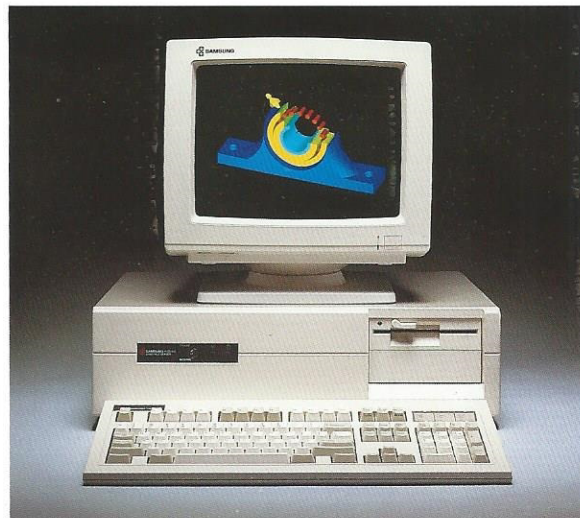
Novell is famous for reliable network hardware. Since 1985, Samsung has been the manufacturer behind the Novell® system hardware products.

- 10 Our manufacturing alliance with Novell means you get NetWare® compatible file servers, PC terminals and network cards directly from the source. Samsung's partnership with Novell assures total NetWare compatibility with all of our hardware products and our manufacturing capacity provides prompt availability.

By offering its full line of 100% Novell co-labeled products with Novell NetWare, Samsung becomes the only LAN source you'll need. Bundle any of Samsung's Novell co-labeled products with any version of industry standard NetWare for 100% compatibility.

## 386AE

16 MHz AT® Compatible Network Fileserver



11

### Samsung/Novell Co-labeled Product.

Fast and powerful, the 16MHz 386AE provides 100% compatibility with all versions of Novell NetWare including ELS®, Advanced®, SFT® and NetWare 386®.

**Full-featured standard equipment** includes 4MB of non-cached RAM for fast system throughput, a 1.2MB 5 1/4" floppy drive, a 375-watt power supply, eight expansion slots, one parallel and two serial ports.

**Additional data storage is available** with two full-height drive bays. Supports high-capacity SCSI hard disk drives using the Novell DCB.

#### Specifications Summary

<b>Microprocessor</b>	80386
<b>Operating Speed</b>	8MHz or 16MHz, keyboard selectable
<b>On-board RAM</b>	4MB
<b>Expansion Slots</b>	Eight; two 32-bit, five 16-bit, one 8-bit; all available
<b>Built-in Ports</b>	Two serial, one parallel port
<b>Data Storage</b>	One 1.2MB 5 1/4" floppy disk drive; four additional drive bays available
<b>Power Supply</b>	375 Watts
<b>Keyboard</b>	101-key, enhanced AT compatible
<b>Dimensions</b>	21.20" x 6.38" x 16.63" (W x H x D)

## 386A3

33 MHz AT® Compatible Network Fileserver



12

Fast, flexible and powerful fileserver designed for the most demanding high-volume, multi-user networks, compatible with all versions of Novell NetWare.

**Super-high 33MHz operating speed** to handle highly loaded networks.

**Full-featured standard equipment** includes 4MB of RAM, 64KB of high-speed cache memory, a 1.2MB 5 1/4" floppy drive, a 375-watt power supply, and the Novell DCB/FDC.

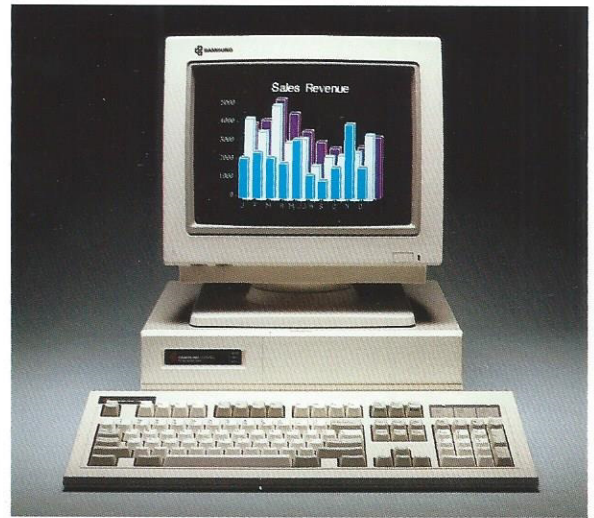
**Expansion capability** is provided by eight expansion slots, built-in parallel and two serial ports and room for two full-height drives.

### Specifications Summary

<b>Microprocessor</b>	80386
<b>Operating Speed</b>	8MHz or 33MHz, zero wait state
<b>On-Board RAM</b>	4MB; expandable to 8MB on motherboard; 64KB cache memory expandable to 256KB
<b>Expansion Slots</b>	Eight; one 32-bit, seven 16-bit, one occupied
<b>Built-in Ports</b>	Two serial, one parallel, one UPS monitor port
<b>Data Storage</b>	One 1.2MB 5 1/4" floppy disk drive; four additional half-height (two full-height) drive bays available
<b>Power Supply</b>	375 Watts
<b>Keyboard</b>	101-key, enhanced AT compatible
<b>Dimensions</b>	21.2" x 6.4" x 16.7" (W x H x D)

## PCterminal/286

12 MHz AT® Compatible LAN Workstation



13

### Samsung/Novell Co-labeled Product.

Versatile and affordable, the PCterminal/286 is a diskless workstation featuring a built-in Ethernet interface. Provides 100% compatibility with all versions of Novell NetWare.

**Fast, 12MHz operating speed** handles demanding network applications.

**Standard equipment includes** 640KB of RAM, built-in serial, parallel, and Ethernet interfaces, four expansion slots and integrated CGA/MGA video interface, plus a 101-key keyboard.

**Additional data storage** is available by installing an optional floppy or hard disk controller.

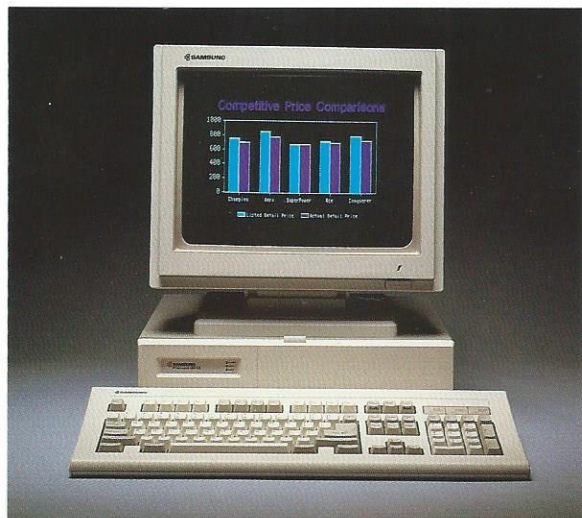
### Specifications Summary

<b>Microprocessor</b>	80286
<b>Operating Speed</b>	6MHz or 12MHz, one wait state
<b>On-Board RAM</b>	640KB; expandable to 1MB
<b>Expansion Slots</b>	Four; three 16-bit, one 8-bit
<b>Built-in Ports</b>	One serial, one parallel, one Ethernet interface port
<b>Data Storage</b>	Optional; supports up to one 1.2MB 5 1/4" or two 1.44MB 3 1/2" floppy disk drives; accommodates a 3 1/2" hard disk drive
<b>Power Supply</b>	135 Watts
<b>Keyboard</b>	101-key, enhanced AT compatible
<b>Dimensions</b>	15.0" X 4.2" X 15.0" (W x H x D)



## PCterminal/386SX

16 MHz AT® Compatible LAN Workstation



14

The PCterminal/386SX is a fully AT compatible diskless LAN workstation. Features a built-in Ethernet interface and is compatible with all versions of Novell NetWare.

**Fast, 16MHz operating speed** and advanced 386SX microprocessor keep pace with increased productivity demands.

**Standard equipment includes** 2MB of RAM, built-in serial, parallel, and Ethernet interfaces, four expansion slots and a 101-key enhanced AT keyboard.

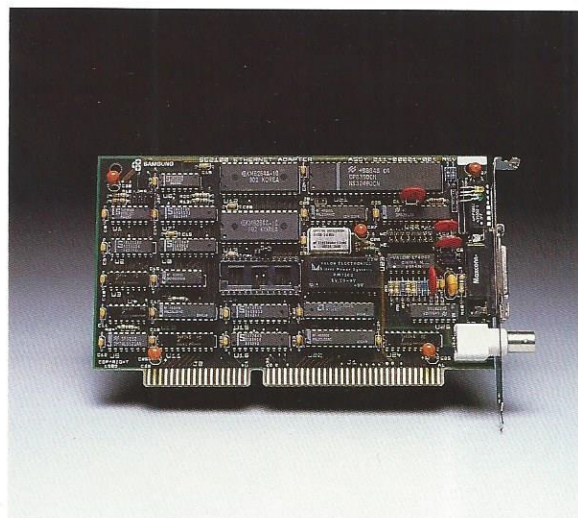
**Optional floppy or hard disk controller** allows you to use the PCterminal/386SX as a powerful stand-alone system.

### Specifications Summary

<b>Microprocessor</b>	80386SX
<b>Operating Speed</b>	8 or 16MHz, one wait state
<b>On-Board RAM</b>	2MB; expandable to 8MB on motherboard
<b>Expansion Slots</b>	Four; three 16-bit, one 8-bit; all available
<b>Built-in Ports</b>	Two serial, one parallel, one Ethernet interface port
<b>Data Storage</b>	Optional; supports up to one 1.2MB 5 1/4" or two 1.44MB 3 1/2" floppy disk drives; accommodates a 3 1/2" hard disk drive
<b>Power Supply</b>	135 Watts
<b>Keyboard</b>	101-key, enhanced AT compatible
<b>Dimensions</b>	15.0" x 4.2" x 15.0" (W x H x D)

## SE2100

Ethernet Interface Card



15

The SE2100 is a high-performance, 16-bit memory-mapped Ethernet interface card for all PC's and compatibles. Maximum performance in both file servers and LAN workstations. Provides up to twice the overall system throughput of other cards.

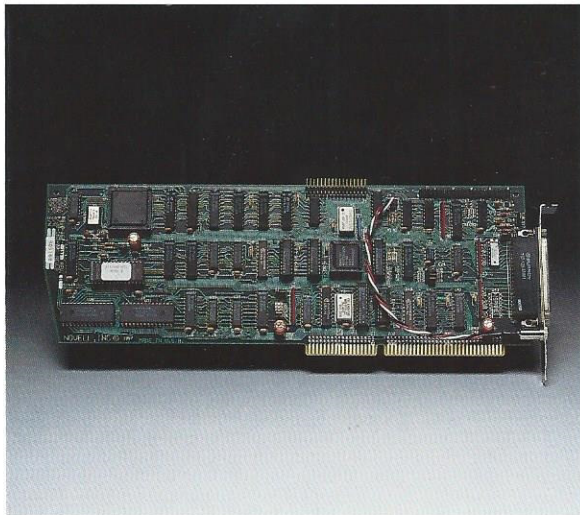
**The SE2100 card conforms** to IEEE 802.3 specifications for Ethernet type networks; compatible with 8-bit and 16-bit expansion busses. Includes Novell NetWare 2.X drivers and a NetWare Remote Boot EPROM socket.

### Specifications Summary

<b>Data Link Interface</b>	10 Megabits/second Complies with IEEE 802.3, 10BASE5, and 10BASE3
<b>LAN Controller</b>	NS DP8390
<b>RAM Memory</b>	16KB
<b>Drivers</b>	Novell NetWare 2.X
<b>Host Interface</b>	8-bit/16-bit bus slot
<b>Connectors</b>	BNC Female, 15-pin D-shell

## DCB/FDC

Disk Coprocessor Board/Floppy Disk Controller



16

The DCB/FDC is a high-performance SCSI controller adapter for network file servers, boosting disk throughput with faster data transfers, higher reliability and enhanced data integrity.

**Supports up to seven high-capacity SCSI disk drives** installed internally or externally.

**Fully supports Novell NetWare functions** including the disk mirroring and duplexing features of SFT NetWare.

**Automatically boots the fileserver** and an on-board floppy controller saves an internal slot.

### Specifications Summary

<b>Microprocessor</b>	Intel 80188, 8MHz
<b>Memory</b>	16K static RAM, dual-ported between 80188 and fileserver
<b>Bus Interface</b>	16-bit IBM AT compatible; one hardware interrupt and one I/O port, user selectable
<b>Hard Disk Interface</b>	Up to seven SCSI drives or controllers; 50-pin header connector for internal drives 37-pin D connector for external disk subsystems
<b>Floppy Disk Interface</b>	Supports up to two 5 1/4" or 3 1/2" disk drives, high or low density; 34-pin header connector

## Novell NetWare

The Industry Standard



17

Novell NetWare is today's most popular network operating system. And because Samsung is Novell's hardware partner, all Samsung LAN products provide maximum compatibility and performance with all versions of NetWare, including:

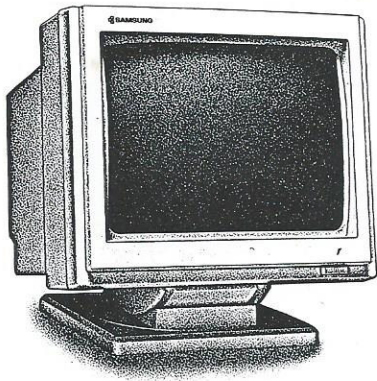
**ELS II—Entry level solution** for small businesses. Provides NetWare capability at an affordable price. File sharing, print spooling, password security. Supports one server with up to eight concurrent users.

**ADVANCED**—Provides the sophisticated networking features that made NetWare the industry standard. Network services like: data protection; enhanced security; resource accounting and internetworking. Supports multiple file servers and up to 100 concurrent users.

**SFT—System fault tolerant**—Increased insurance against system downtime. Reduces the impact of network equipment failure through features like disk mirroring, disk duplexing and duplicate directory structures.

**NetWare 386**—The seventh generation of the NetWare operating system. Takes full advantage of the speed and power of the 80386 microprocessor and offers unrivaled levels of performance and functionality. Supports up to 250 concurrent user plus 35 trillion bytes of disk storage.

# Monitors

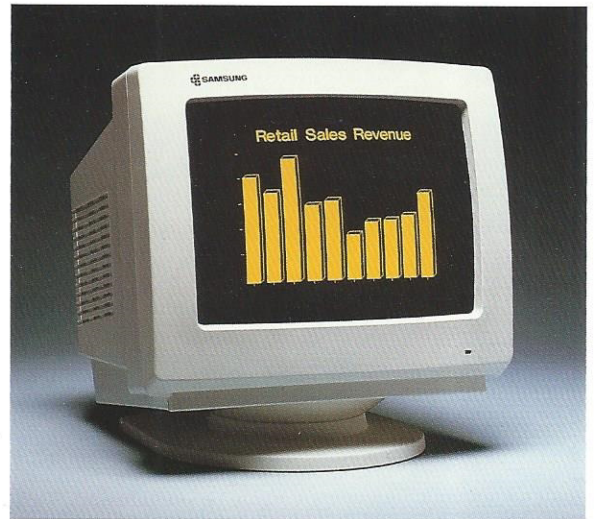


## Where Value Meets the Eye.

18 The right monitor at the right price. That's what has made Samsung the world's largest maker of high quality computer monitors. It starts with the broadest selection of monitors in the industry. Choose from the Master Series for the most demanding applications in the areas of CAD/CAM, presentation graphics or desktop publishing.

Or make your selection from our standard line of monitors designed to meet almost any requirement in business, industry, or home. Monitors that support all popular video standards. Monitors that give you the combination of features that you want. Whatever your needs, you'll find a Samsung monitor that will deliver the performance and the value that you expect.

## MA2565/MA2675 12" Amber Monochrome Monitors



Economical monitor with black, non-glare screen that displays clean amber characters, reducing operator fatigue.

**Sharp 720 x 350 resolution** supports many graphics applications. Compatible with MDA/Hercules® graphics and displays 80 columns x 25 rows.

**Easy-to-reach screen controls** and a standard tilt-swivel base for easy adjustment of viewing angle.

**Flat non-glare 12" screen in the MA2675** enhances contrast and prevents distortion in far corners of the screen.

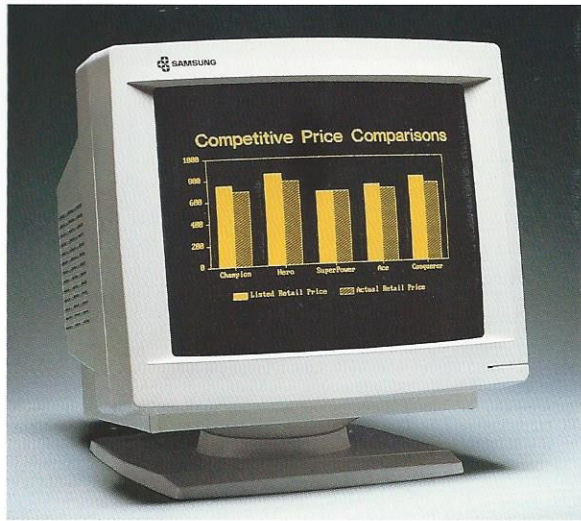
### Specifications Summary

<b>CRT</b>	12" screen, 90° deflection; non-glare, medium-persistence phosphor (flat screen in MA2675)
<b>Resolution</b>	720 dots x 350 lines
<b>Display Format</b>	80 columns x 25 rows
<b>Display Area</b>	8.03" x 5.31" (8.97" x 6.12" in MA2675)
<b>Display Color</b>	Amber-on-black
<b>Compatibility</b>	HGC, MDA
<b>Scan Frequency</b>	Horizontal: 18.43KHz Vertical: 50Hz
<b>Signal Input</b>	TTL
<b>Video Bandwidth</b>	20MHz
<b>Dimensions (W x H x D)</b>	12.4" x 11.97" x 12.4" (MA 2565) 12.38" x 11.94" x 12.56" (MA 2675)

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## MZ4571/MZ4575

14" Flat-Screen Monochrome Monitors



20

Affordable monitor for text and spreadsheet applications requiring 132-column display and support for CGA graphics.

### **Crisp, dual-mode 720 x 350 resolution.**

Supports MGA, MDA/Hercules and CGA graphics and displays up to 132 columns and up to 44 rows of text.

**Flat 14" screen enhances contrast** and prevents distortion in the far corners of the screen with a choice of white (MZ4571) or amber (MZ4575) tints.

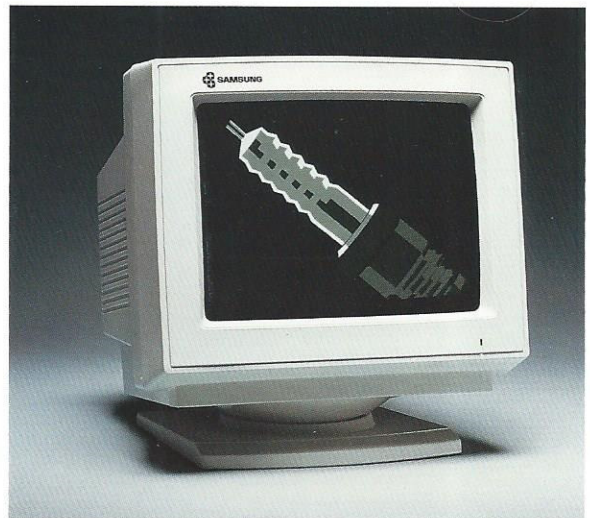
**Up-front controls** and tilt-swivel base for easy viewing adjustments.

#### **Specifications Summary**

<b>CRT</b>	14" screen 90° deflection; flat non-glare, medium-persistence phosphor
<b>Resolution</b>	Mode 1: 640 dots x 200 lines Mode 2: 720 dots x 350 lines
<b>Display Formats</b>	Mode 1: 80 columns x 25 rows Mode 2: 132 columns x 44 rows
<b>Display Area</b>	9.38" x 6.94"
<b>Display Colors</b>	White-on-black (Amber MZ4575)
<b>Compatibility</b>	CGA, HGC, MDA
<b>Scan Frequency</b>	Horizontal: 15.75KHz or 18.43KHz Vertical: 50Hz/60Hz
<b>Signal Input</b>	TTL
<b>Video Bandwidth</b>	25MHz
<b>Dimensions</b>	13.25" x 12.88" x 12.94" (W x H x D)

## ML2611

12" White VGA Monitor



21

Full-featured and affordable, the ML2611 displays unlimited gray shades for optimum contrast and image clarity. Ideal for business graphics, desktop publishing and graphical interfaces.

**VGA 640 x 480 resolution**, with support for 720 x 350 and 720 x 400 display modes.

**12" non-glare screen** with a white-on-black display make graphics and text clear and sharp.

**Fully VGA compatible**, delivers unlimited gray shades. Analog input with a horizontal scanning frequency of 31.5KHz.

**Includes up-front controls** and tilt-swivel base.

#### **Specifications Summary**

<b>CRT</b>	12" screen, 90° deflection; non-glare, white-on-black display
<b>Resolution</b>	Mode 1: 720 dots x 350 lines Mode 2: 720 dots x 400 lines Mode 3: 640 dots x 480 lines
<b>Display Format</b>	80 columns x 25 rows
<b>Display Area</b>	8.44" x 6.32"
<b>Display Colors</b>	Unlimited gray shades
<b>Compatibility</b>	VGA
<b>Scan Frequency</b>	Horizontal: 31.5KHz Vertical: 60Hz/70Hz
<b>Signal Input</b>	Analog
<b>Video Bandwidth</b>	30MHz
<b>Dimensions</b>	12.5" x 10.75" x 12.25" (W x H x D)

## ML4571

14" Flat Screen White VGA Monitor



22

Large, non-glare flat screen and white-on-black VGA monochrome display. Ideal for business graphics and desktop publishing.

**VGA 640 x 480 resolution**, with support for 720 x 350, and 720 x 400 display modes.

**Etched, 14" non-glare flat screen** with a white-on-black display make graphics and text clear and sharp.

**Fully VGA compatible**, delivers unlimited gray shades. Analog input with a horizontal scanning frequency of 31.5KHz.

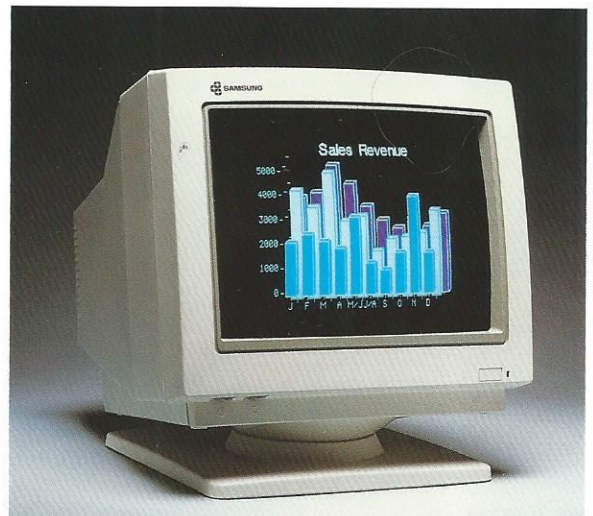
**Includes up-front controls** and a tilt-swivel base.

### Specifications Summary

<b>CRT</b>	14" flat screen, 90° deflection; non-glare, white-on-black display
<b>Resolution</b>	Mode 1: 720 dots x 350 lines Mode 2: 720 dots x 400 lines Mode 3: 640 dots x 480 lines
<b>Display Format</b>	80 columns x 25 rows
<b>Display Area</b>	9.4" x 6.9"
<b>Display Colors</b>	Unlimited gray shades
<b>Compatibility</b>	VGA
<b>Scan Frequency</b>	Horizontal: 31.5KHz Vertical: 60Hz/70Hz
<b>Signal Input</b>	Analog
<b>Video Bandwidth</b>	30MHz
<b>Dimensions</b>	13.25" x 12.88" X 12.94" (W x H x D)

## CK4644/CK4656

14" CGA Color Monitors



23

An economical CGA color monitor that displays up to 16 colors on a 14" non-glare screen.

**CGA 640 x 200 resolution**, 16 color display and green text-mode add up to great value. A tight .41mm stripe width (CK4644) provides excellent graphics capabilities.

**Convenient front mounted controls** and standard tilt-swivel base.

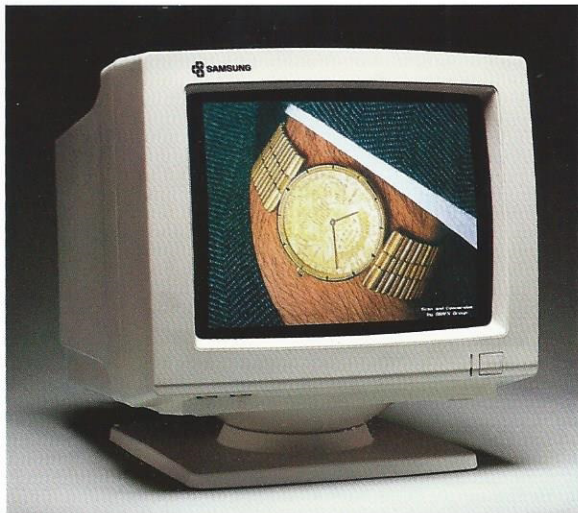
**Low-cost CK4656 (.52mm stripe width)** provides excellent color graphics for computer games and educational software.

### Specifications Summary

<b>CRT</b>	14" screen, 90° deflection; non-glare, .41mm mask pitch stripe in the CK4644 (.52mm in the CK4656) color display
<b>Resolution</b>	640 dots x 200 lines
<b>Display Area</b>	9.06" x 7.09"
<b>Display Colors</b>	16 colors
<b>Compatibility</b>	CGA, MDA, HGC
<b>Scan Frequency</b>	Horizontal: 15.75KHz Vertical: 60Hz
<b>Signal Input</b>	TTL level RGB
<b>Video Bandwidth</b>	15MHz
<b>Dimensions</b>	13.46" x 13.62" x 14.8" (W x H x D)

## EGA Color Monitor

14" Monitor Models CM4531/CM4593/CM4592



24

Clean, crisp text and sharp EGA graphics make the CM4531 ideal for graphical environments.

**EGA 640 x 350 resolution**, 64-color display, and tight .31mm dot pitch make the CM4531 a great value.

**Dual-mode compatibility** with EGA, CGA, MDA and Hercules graphics. Supports CGA 640 x 200 resolution and includes a tilt-swivel base.

**The more affordable CM4593** (.39mm dot pitch, non-glare screen), or our most affordable CM4592 (.39mm dot pitch) are the best EGA choices on a budget.

**Includes up-front controls** and a tilt-swivel base.

### Specifications Summary

<b>CRT</b>	14" screen, 90° deflection; non-glare, .31mm dot pitch (.39mm dot pitch on CM4593 and CM4592)
<b>Resolution</b>	Mode 1: 640 dots x 200 lines Mode 2: 640 dots x 350 lines
<b>Display Format</b>	80 columns x 25 rows
<b>Display Area</b>	9.84" x 6.69"
<b>Display Colors</b>	Mode 1: 16 colors Mode 2: 64 colors
<b>Compatibility</b>	EGA, CGA, HGC, MDA
<b>Scan Frequency</b>	Horizontal: 15.75KHz or 21.85KHz Vertical: 50Hz/60Hz
<b>Signal Input</b>	TTL/Level RGB
<b>Video Bandwidth</b>	20MHz
<b>Dimensions</b>	15.74" x 14.63" x 15.0" (W X H X D)

## VGA-GraphicMaster™

14" Color Monitor Model CJ4681



25

VGA graphics monitor with exceptionally clear and remarkably crisp color display. Perfect for use in graphical environments.

**VGA 640 x 480 resolution** and tight .31mm dot pitch bring graphics to life. Horizontal scanning frequency is 31.5KHz and analog input is compatible with all popular video standards and the IBM PS/2®

**Fully VGA compatible**, it provides an unlimited choice of striking bold and pastel colors, depending on choice of video adapter.

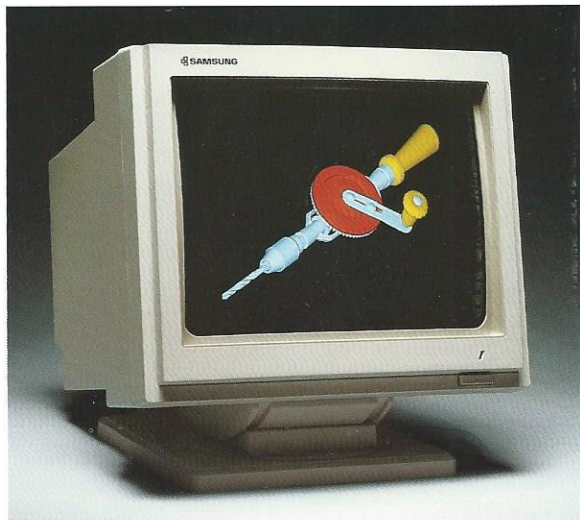
**Black, 14" non-glare screen** reduces viewing fatigue and keeps text razor sharp. Easy to reach, controls and tilt-swivel base makes viewing-angle adjustment fast and convenient.

### Specifications Summary

<b>CRT</b>	14" screen, 90° deflection, non-glare, .31mm dot pitch
<b>Resolution</b>	Mode 1: 720 dots x 350 lines Mode 2: 720 dots X 400 lines Mode 3: 640 dots X 480 lines
<b>Display Format</b>	80 columns x 25 rows
<b>Display Area</b>	9.45" X 7.09"
<b>Display Colors</b>	Unlimited Colors
<b>Compatibility</b>	VGA
<b>Scan Frequency</b>	Horizontal: 31.5KHz Vertical: 60Hz/70Hz
<b>Signal Input</b>	Analog
<b>Video Bandwidth</b>	30MHz
<b>Dimensions</b>	14.5" x 14.06" x 15.13" (W X H X D)

## SyncMaster®

14" Multi-Scan Color Monitor – Model CT4581



26

An adaptable 14" multi-scan color monitor that is ideal for business graphics, desktop publishing and text-based applications.

**800 x 600 resolution images**, vivid colors, and razor sharp text bring graphics to life. Tight .31mm dot pitch and 800 x 600 resolution keeps images bold and bright.

**Black, 14" non-glare screen** eliminates glare to reduce fatigue and enhance readability.

**Fully compatible with all popular video standards** including Super-VGA, VGA, EGA, CGA, PGA, MDA, HGC and Apple Mac®II with digital TTL and analog signal input.

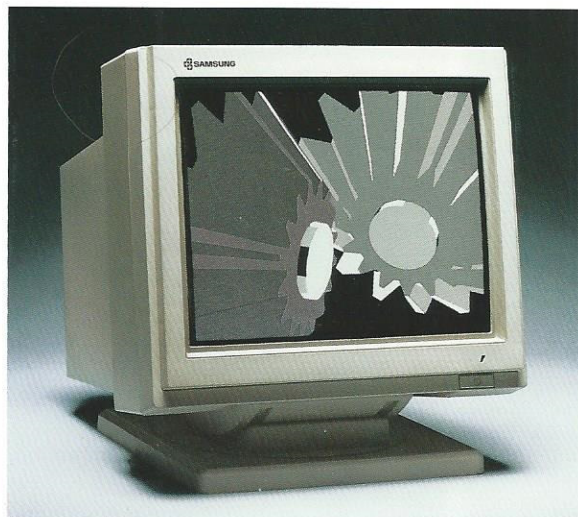
Includes up-front controls.

### Specifications Summary

<b>CRT</b>	14" diagonal screen 90° deflection, non-glare, .31mm dot pitch
<b>Resolution</b>	800 dots x 600 lines
<b>Display Format</b>	80 columns x 25 rows
<b>Display Area</b>	7.09" x 9.45"
<b>Display Colors</b>	Unlimited colors
<b>Compatibility</b>	Super-VGA, VGA, EGA, CGA, PGA, HGC, MDA and Apple Mac II
<b>Scan Frequency</b>	Horizontal: 15-38KHz Vertical: 47-73Hz
<b>Signal Input</b>	Analog or TTL (switch selectable)
<b>Video Bandwidth</b>	45MHz
<b>Dimensions</b>	14.17" x 13.82" x 15.20" (W x H x D)

## SyncMaster GS

14" Flat-Screen Monitor – Model MF4771



27

Flat-screen, 14" multi-scan monochrome monitor. Compatible with both Apple Mac II and IBM systems, the SyncMaster GS is ideal for desktop publishing, text-based applications, and graphics.

**Super-VGA 800 x 600 resolution** and unlimited gray shades. Paper-white phosphor produces images that are crisp, bright and super-clear.

**Compatible with all popular video standards** including Super-VGA, VGA, EGA, CGA, MDA, Hercules, PGA and Apple Mac II.

**Up-front controls** and a tilt-swivel base for easy viewing adjustments.

### Specifications Summary

<b>CRT</b>	14" screen, 90° deflection, non-glare, medium-persistence phosphor
<b>Resolution</b>	800 dots x 600 lines
<b>Display Format</b>	80 columns x 25 rows
<b>Display Area</b>	9.06" x 6.69"
<b>Display Colors</b>	Unlimited gray shades
<b>Compatibility</b>	Super-VGA, VGA, EGA, CGA, PGA, HGC, MDA, Apple Mac II
<b>Scan Frequency</b>	Horizontal: 15-38KHz Vertical: 48-72Hz
<b>Signal Input</b>	Separate analog TTL; Sync Signal: Separate TTL, Composite TTL
<b>Video Bandwidth</b>	30MHz
<b>Dimensions</b>	14.1" x 13.1" x 12.8" (W x H x D)

## SyncMaster 2

14" Color Monitor – Model CVB4581



28

Adaptable 14" multi-scan color monitor for business graphics, desktop publishing, text-based applications, and graphical environments.

**Super-VGA 1,024 x 768 resolution** and unlimited color display bring graphics to life.

**Fully VGA compatible**, displays an unlimited choice of bold and pastel colors. Analog input compatible with all popular video standards, including Super-VGA and 8514/A.

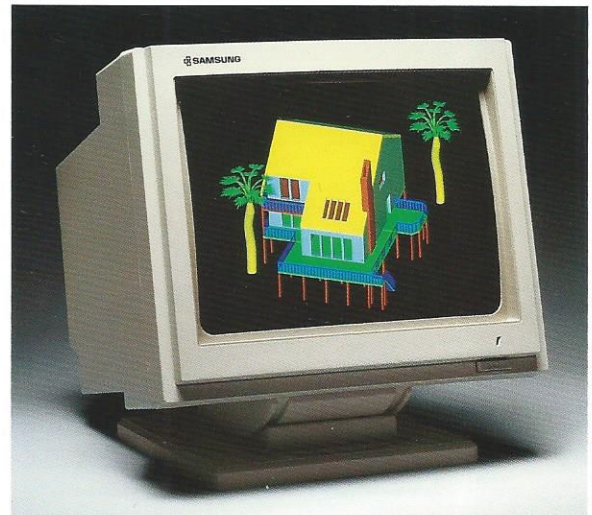
**Black, 14" non-glare screen** reduces fatigue and enhances readability. Tight .31mm dot pitch provides sharp display of both text and graphics. Includes a tilt-swivel base.

### Specifications Summary

<b>CRT</b>	14" screen, 90° deflection; black non-glare, medium-short persistence phosphor, .31mm dot pitch
<b>Resolution</b>	Mode 1: 640 dots x 480 lines Mode 2: 800 dots x 600 lines Mode 3: 1,024 dots x 768 lines
<b>Display Format</b>	80 columns x 25 rows
<b>Display Area</b>	9.44" x 7.09"
<b>Display Colors</b>	Unlimited colors
<b>Compatibility</b>	Super-VGA, 8514/A, VGA
<b>Scan Frequency</b>	Horizontal: 31.5KHz or 35.5KHz Vertical: 56/60/70/86.8Hz
<b>Signal Input</b>	RGB analog
<b>Video Bandwidth</b>	45MHz
<b>Dimensions</b>	14.17" x 13.07" x 14.80" (W x H x D)

## SyncMaster 3

14" Color Monitor – Model CVB4587



29

Versatile 14" multi-scan color monitor ideal for business graphics, desktop publishing, text-based applications, and graphical environments like Windows®, GEM® and Presentation Manager®.

**Super-VGA 1,024 x 768 resolution** and unlimited color display bring graphics to life.

**Fully VGA compatible**, displays an unlimited choice of striking bold and pastel colors. Analog input is compatible with Super-VGA and 8514/A.

**Black, 14" non-glare screen** and super tight dot pitch of .28mm provides razor-sharp display of text and graphics.

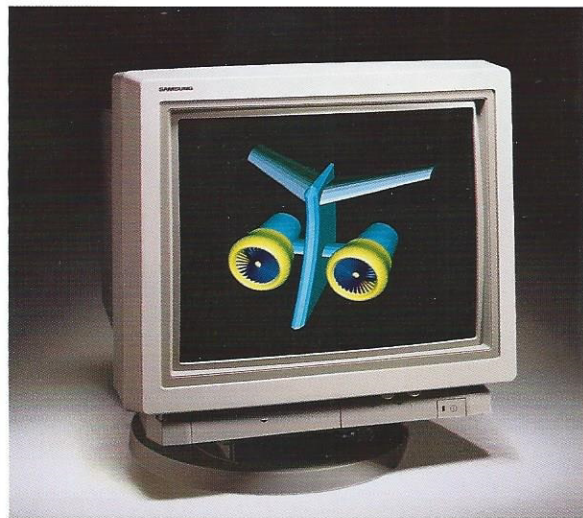
### Specifications Summary

<b>CRT</b>	14" screen, 90° deflection; black non-glare, medium-short persistence phosphor, .28mm dot pitch
<b>Resolution</b>	Mode 1: 640 dots x 480 lines Mode 2: 800 dots x 600 lines Mode 3: 1,024 dots x 768 lines
<b>Display Format</b>	80 columns x 25 rows
<b>Display Area</b>	9.44" x 7.09"
<b>Display Colors</b>	Unlimited colors
<b>Compatibility</b>	Super-VGA, 8514/A, VGA
<b>Scan Frequency</b>	Horizontal: 31.5KHz or 35.5KHz Vertical: 56/60/70/86.8Hz
<b>Signal Input</b>	RGB analog
<b>Video Bandwidth</b>	45MHz
<b>Dimensions</b>	14.2" x 13.1" x 14.8" (W x H x D)



## SyncMaster 4

17" Multi-scan Color Monitor – Model CSA7571



30

Adaptable 17" multi-scan color monitor ideal for business graphics, desktop publishing, text-based applications and use with graphical environments. Compatible with both Apple Mac II and IBM compatible systems.

**Super-VGA 1,024 x 768 resolution** (non-interlaced) with unlimited choice of colors. Tight .31mm dot pitch provides bold, crisp images.

**Fully compatible** with VGA, EGA, CGA, MDA, Hercules, PGA and Apple Mac II. Horizontal scanning frequencies automatically adjust from 20KHz to 50KHz.

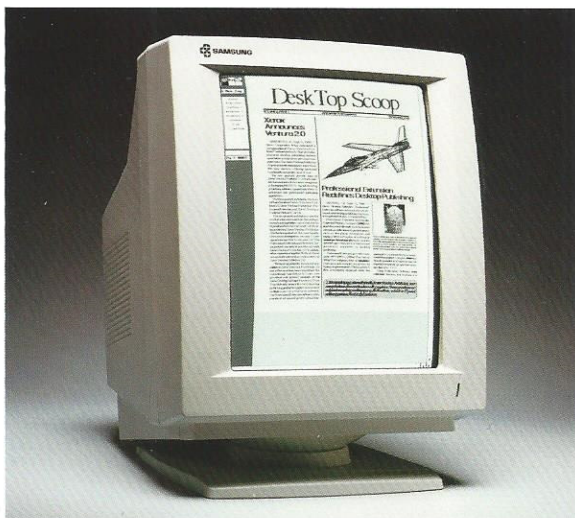
**Black, 17" non-glare screen** reduces fatigue and enhances text and graphics.

### Specifications Summary

<b>CRT</b>	17" screen, 90° deflection; non-glare, .31mm dot pitch
<b>Resolution</b>	Mode 1: 1,024 dots x 768 lines Mode 2: 800 dots x 600 lines Mode 3: 640 dots x 480 lines
<b>Display Format</b>	80 columns x 25 rows
<b>Display Area</b>	11.4" x 8.65"
<b>Display Colors</b>	TTL input, 8/16/64 colors; analog input, unlimited colors
<b>Compatibility</b>	Super-VGA, VGA, EGA, CGA, PGA, HGC, MDA, Apple Mac II
<b>Scan Frequency</b>	Horizontal: 20KHz or 50KHz Vertical: 50Hz-90Hz
<b>Signal Input</b>	RGB analog, RGB TTL
<b>Video Bandwidth</b>	50MHz
<b>Dimensions</b>	21.3" x 22.8" x 22.4" (W x H x D)

## PageMaster™ /PageMaster 1

15" Full-Page Monitors – Models MP5671/MP5771



31

A full-page vertical display with 1,006 x 1,048 (IBM) or 640 x 870 (Apple Mac II) resolution designed for desktop publishing, spreadsheet and text applications.

**15" non-glare full-page display** with 1,006 x 1,048 resolution and four gray scale shades.

**Full-page video controller board (CPC21A)** and software drivers disk for IBM and compatibles, or a CMT21M controller for the Apple Mac II is included with each monitor. Also available is a CMSII controller for the Mac SE.

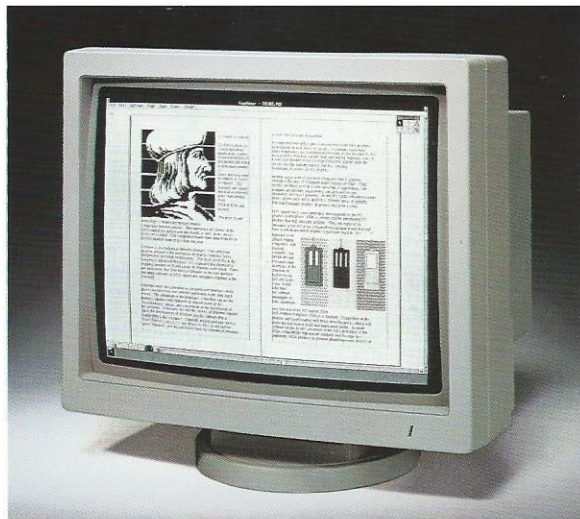
**A 15" flat screen** in the PageMaster 1 provides clarity and detail.

### Specifications Summary

<b>CRT</b>	15" diagonal, 110° deflection; non-glare, paper-white phosphor, white-on-black display (Flat screen in PageMaster 1)
<b>Resolution</b>	1,006 dots x 1,048 lines (IBM) 640 dots x 870 lines (Apple)
<b>Display Format</b>	82 columns x 66 rows
<b>Display Area</b>	7.99" x 9.65"
<b>Display Colors</b>	4 gray shades (IBM version)
<b>Compatibility</b>	HGC
<b>Scan Frequency</b>	Horizontal: 62.75KHz Vertical: 59.88Hz
<b>Signal Input</b>	ECL
<b>Video Bandwidth</b>	70MHz
<b>Dimensions</b>	12.68" x 16.54" x 13.7" (W x H x D)

## PageMaster 2

20" Dual-Page Monitor – Model MU9511



32

Landscape format, dual-page monitor designed for desktop publishing and CAD/CAM applications. A black, non-glare screen, and paper-white phosphor keep graphics and text sharp and clear.

**Super-high 1,280 x 1,024 resolution** for sharply detailed text and graphics. Dual-page display is ideal for two-page editing.

**Viewing comfort is enhanced** by a 63Hz non-interlaced refresh rate for flicker-free viewing. Tilt-swivel base adjusts easily for optimum viewing angle. Bandwidth is 110MHz.

**Video Controller board** and software drivers diskette are included.

### Specifications Summary

<b>CRT</b>	20" screen, 110° deflection; non-glare, paper-white phosphor
<b>Resolution</b>	1,280 dots X 1,024 lines
<b>Display Format</b>	142 columns x 68 rows
<b>Display Area</b>	14.17" x 10.67"
<b>Display Colors</b>	4 gray shades
<b>Compatibility</b>	Depends on video board
<b>Scan Frequency</b>	Horizontal: 66KHz Vertical: 63Hz
<b>Signal Input</b>	ECL
<b>Video Bandwidth</b>	110MHz
<b>Dimensions</b>	18.4" X 17.69" X 15.45" (W x H x D)

## DesignMaster™

20" CAD/CAM Color Monitor – Model CC9511



33

Landscape format, 20" color monitor provides the resolution necessary for the most demanding CAD/CAM/CAE applications.

**High 1,280 x 1,024 resolution** and .31mm dot pitch really brings images to life on a wide, 20" diagonal screen. Unlimited palette of vivid colors produces images that are bold, bright and exceptionally clear.

**Wide-range horizontal frequency** input signal from 46 to 64KHz and 100MHz bandwidth for optimum compatibility and flicker-free images.

**Up-front controls** simplify monitor adjustment and tilt-swivel base adjusts easily for optimum viewing angle.

### Specifications Summary

<b>CRT</b>	20" screen, 90° deflection; non-glare, .31mm dot pitch
<b>Resolution</b>	1,280 dots x 1,024 lines
<b>Display Format</b>	142 columns x 68 rows
<b>Display Area</b>	14.17" x 10.63"
<b>Display Colors</b>	Unlimited colors
<b>Compatibility</b>	Depends on video board
<b>Scan Frequency</b>	Horizontal: Selected ranges of 46-52KHz, 52-58KHz, 58-64KHz Vertical: 55Hz-65Hz (non-interlaced)
<b>Signal Input</b>	Analog BNC
<b>Video Bandwidth</b>	100MHz
<b>Dimensions</b>	19.1" X 20.7" X 18.9" (W x H x D)

## SVGA1

Video Graphics Adapter



34

The 8-bit SVGA1 provides up to 800 x 600 resolution and is compatible with a wide range of video standards including VGA, EGA, CGA, MDA and Hercules graphics. Includes software drivers for Ventura Publisher®, Aldus PageMaker®, Windows, GEM and AutoCAD/AutoSHADE®.

**Includes 256K of RAM** for high-speed video frame buffering and faster screen updates. Compatible with digital/TTL (9-pin) and analog (15-pin) monitors.

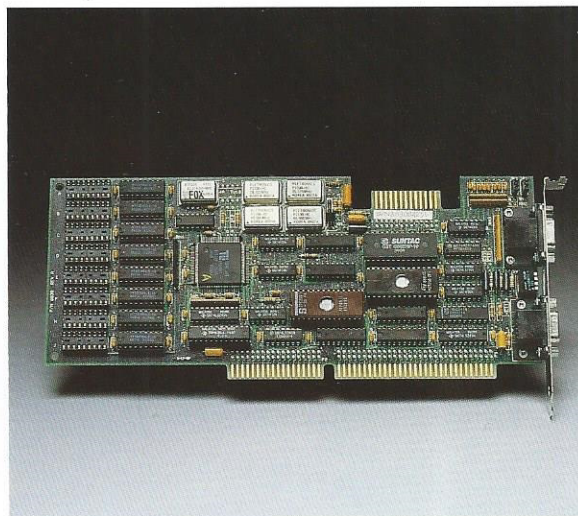
**Versatile color display** can show 16 colors in 800 x 600 mode or in standard 640 x 480 mode and supports 256 colors in 320 x 200 mode.

### Specifications Summary

<b>Compatibility</b>	IBM PC and compatibles		
<b>Video Controller</b>	Cirrus 510/520		
<b>Video Display Memory</b>	256KB, 100ns DRAM		
<b>Maximum Dot Clock</b>	32.51MHz		
<b>Bus Type</b>	IBM PC (8-bit) or AT (16-bit)		
<b>Drivers Included</b>	800 x 600 graphics modes		
<b>Operating Modes</b>	<b>Resolution</b>	<b>Colors</b>	<b>Palette</b>
	Enhanced VGA	800 x 600	Monochrome N/A
		800 x 600	16 256,000
<b>Display Formats</b>	132 cols. x 44 rows		
	132 cols. x 25 rows		
	Super-VGA, VGA, EGA, CGA, MDA and Hercules modes		

## SVGA16

Video Graphics Adapter



35

Offers superior resolution, and compatibility with all popular video standards including Super-VGA, VGA, EGA, CGA, MDA and Hercules graphics. Delivers 1,024 x 768 and 800 x 600 resolution and includes software drivers for Ventura Publisher, Aldus Pagemaker, Windows, GEM, and AutoCAD/AutoSHADE.

**Includes 256K of RAM** upgradable to 512K, compatible with digital/TTL (9-pin) and analog (15-pin) monitors.

**Versatile color display** lets you show 16 colors in 1,024 x 768 or 800 x 600 mode, and up to 256 colors in standard 640 x 480 mode with optional 256K memory upgrade.

### Specifications Summary

<b>Compatibility</b>	IBM PC and compatibles		
<b>Video Controller</b>	Tseng Labs ET 3000AX		
<b>Video Display Memory</b>	256KB, 100ns DRAM		
<b>Maximum Dot Clock</b>	44.9MHz		
<b>Bus Type</b>	IBM PC (8-bit) or AT (16-bit)		
<b>Drivers Included</b>	800 x 600 graphics modes		
<b>Operating Modes</b>	<b>Resolution</b>	<b>Colors</b>	<b>Palette</b>
	Enhanced VGA	800 x 600	Monochrome N/A
		800 x 600	16 256,000
<b>Display Formats</b>	Super-VGA		
	1,024 x 768		
	132 cols. x 44 rows		
	132 cols. x 25 rows		
	Super-VGA, VGA, EGA, CGA, MDA and Hercules modes		

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