



apricot **VS550**

Class-leading performance at
an affordable price



Features

- ▶ Choice of 75, 100, 133, 166 or 200MHz Pentium CPUs
- ▶ 8MB or 16MB of EDO SIMM memory, upgradeable to 128MB
- ▶ Choice of 850MB or 1.2GB high performance hard disk
- ▶ Future-proof motherboard design
- ▶ Cirrus Logic VGA video controller with 1MB RAM, upgradeable to 2MB
- ▶ Up to 256KB L2 cache
- ▶ Wide choice of configurations from entry-level to high specification
- ▶ Power-saving standby mode with two-second recovery
- ▶ Wide range of options, including CD-ROM, Business Audio, networking and fax modem
- ▶ UK built

Designed for

Microsoft®
Windows® 95


pentium
PROCESSOR



Certificate No's:
FM1716 FS21715 FS30305

System Overview

The apricot VS550 is a full specification, hard-working business PC. Because you can choose exactly the required combination of accessories and features you need, it is also one of the most economical options there is. Now, you can have a high performance business PC with your own choice of Pentium processor, memory and disk drives so that, whatever the application, from simple word-processing to intensive graphics and multimedia work, you don't waste money on unnecessary extras. The VS550 is built for serious work, with a state-of-the art Apricot chassis, sound engineering and top quality components. Its straightforward basic specification makes it a highly affordable, no-nonsense business workhorse.

Meeting your needs - precisely

With the VS550 you can choose exactly the combination of processor, memory and hard disk you require to meet your business needs.



From a fast 75MHz to the latest 200MHz Pentium; from 8MB to a massive 128MB of EDO high-performance RAM. Because you only specify the features you need, the VS550 PC is an economical solution to your business problems, and because it conforms with all the current industry standards, the

VS550 can expand and adapt as your business needs change.

Apricot quality

When it comes to quality, every component in the VS550 lives up to the promise of the Apricot name. The chassis, is engineered to exacting standards and even in the entry-level models, the processors, memory and hard disks are selected from only the best and

latest specification components available. The same quality standards apply to the range of optional extras: CD-ROM, sound card, fax card or network controller, so that, although costs are always under control, the VS550's performance is never compromised.

STANDARD FEATURES

Mass Storage

1.44MB floppy drive
Choice of 850MB or 1.2GB IDE hard drives

Graphics

PCI Local bus enhanced VGA graphics
1MB RAM standard, upgradeable to 2MB

Expansion

Five expansion slots
Dual high speed serial ports
Parallel port

Pre-installed Software

Windows® 95
Optional DOS 6.22 and
Windows for Workgroups

Peripherals

14", 15", 17" or 21" high resolution
monitors
Enhanced 102 key keyboard
Two button mouse

Features and Benefits

Pentium processing power

Pentium processors have rapidly become the industry standard. With the VS550, you can choose exactly the model you need for a specific situation. The cost-effective Pentium 75 can cope with everything the software can throw at it - at the lowest possible cost. At the other end of the scale, the latest 166 and 200MHz chips offer the ultimate in performance. The state-of-the-art Intel 430FX PCIset chipset is designed to achieve maximum performance of the system's PCI bus.



Memory options

By providing a choice of memory options, the VS550 models allow even more opportunities for matching performance against budget. EDO SIMM memory has enhanced performance which reduces the need for a cache: This feature is fully exploited in the Pentium 75 models, where the cache is eliminated to enhance their price competitiveness. In the Pentium 100 and above models, a 256K Pipeline Burst mode cache gives enhanced performance.

High capacity, high speed hard drives

Fast, powerful computers require large, high performance disk drives. The VS550 comes with a choice of a large 850MB drive or a massive 1.2GB, both with exceptionally high performance. The PCI bus-master enhanced mode 4 IDE interface increases the available bandwidth to the disk drives to 16.6Mbytes/sec ensuring that data transfer is carried out at the drives' maximum capacity.

Future-proof chassis design

The VS550 uses an entirely new chassis, designed with the future in mind. It combines the traditional elegance and style of the Apricot marque with an attractive front panel layout and ample room for expansion. The design anticipates future processor developments, incorporating the Intel OverDrive Type 7 CPU socket, which provides support for as yet unannounced Pentium processors, giving the buyer a wide range of options for choice in the future.

Energy Saving

The VS550 model has a standby button on the front bezel which you can use to put it into "Low Power" power saving mode. This switches off the monitor power, the fan and stops the hard disk, saving wear and tear on the machine, as well as your electricity bill. When you wish to resume work, a simple keystroke or a touch of the mouse button puts you back in business within a few seconds.

Video acceleration

The VS550 is capable of stunning video performance, made possible by the use of accelerated local bus video processors. The Cirrus Logic GD5434 video controller uses the PCI local bus to link with the main system processor, ensuring that even the most graphically demanding applications move like lightning.

Video RAM

The VS550's Cirrus Logic GD5434 video controller has 1MB of video RAM, which means that it is capable of providing non-interlaced, high resolutions straight from the box. Socketed video memory means that this can be quickly and easily upgraded to 2MB when higher resolutions are required.

14", 15", 17" and 21" Hi Vision monitors

Every VS550 is provided with a choice of high resolution monitors, from the industry standard 14" SVGA model to the stunning 21" Diamondtron model. All monitors have energy-saving automatic power-down modes and meet all EU and International Health and safety regulations for screen emissions.

Industry standard

By adhering to the latest computer industry standards, Apricot engineers have ensured that the VS550 can be easily upgraded with widely available components and peripherals.

Built in the UK by Apricot

Apricot is one of Britain's longest established and most experienced computer manufacturers, now a major part of the worldwide Mitsubishi Electric Corporation. All Apricot systems are designed and built in the UK under the control of ISO 9001 (1994) quality management systems and backed by the world class manufacturing expertise and resources of one of the world's largest industrial groups.

Technical Specifications

	VS550	575 / 5100	5133 / 5166	5200
Processor				
Type	Pentium	Pentium	Pentium	Pentium
Clock speed (Internal)	75MHz / 100MHz	133MHz / 166MHz	200MHz	200MHz
Clock speed (External)	50MHz / 66MHz	66MHz	66MHz	66MHz
Internal cache	2x8KB	2x8KB	2x8KB	2x8KB
Coprocessor	Integral	Integral	Integral	Integral
Data/address bus	64/32-bits	64/32-bits	64/32-bits	64/32-bits
CPU socket type	321-pin ZIF (Type 7)	321-pin ZIF (Type 7)	321-pin ZIF (Type 7)	321-pin ZIF (Type 7)
iCOMP benchmark	610 / 815	1110 / 1308	1540	1540
Core Logic chipset	Intel 430FX PCIsset	Intel 430FX PCIsset	Intel 430FX PCIsset	Intel 430FX PCIsset
External cache				
Supplied	None / 256KB Pipeline Burst	256KB Pipeline Burst	256KB Pipeline Burst	256KB Pipeline Burst
Maximum	256KB Pipeline Burst	256KB Pipeline Burst	256KB Pipeline Burst	256KB Pipeline Burst
Mapping	Direct	Direct	Direct	Direct
Writing scheme	Write back	Write back	Write back	Write back
Cache speed	- / 66MHz	66MHz	66MHz	66MHz
RAM				
Supplied	8/16MB	8/16MB	16MB	16MB
Maximum	128MB	128MB	128MB	128MB
Type	32-bit EDO SIMM	32-bit EDO SIMM	32-bit EDO SIMM	32-bit EDO SIMM
Speed	70ns	70ns	70ns	70ns
Fitted RAM location	Motherboard	Motherboard	Motherboard	Motherboard
Parity	None	None	None	None
Sockets: total	4	4	4	4
free	2	2	2	2
Sizes supported	4, 8, 16 & 32MB	4, 8, 16 & 32MB	4, 8, 16 & 32MB	4, 8, 16 & 32MB
ROM				
Size	1Mbit	1Mbit	1Mbit	1Mbit
Type	Flash ROM	Flash ROM	Flash ROM	Flash ROM
Shadowable	Yes	Yes	Yes	Yes
Graphics				
Controller	Cirrus Logic GD5434	Cirrus Logic GD5434	Cirrus Logic GD5434	Cirrus Logic GD5434
Interface	PCI Local Bus	PCI Local Bus	PCI Local Bus	PCI Local Bus
Location	Motherboard	Motherboard	Motherboard	Motherboard
Video memory: supplied	1MB	1MB	1MB	1MB
max	2MB	2MB	2MB	2MB
type	DRAM	DRAM	DRAM	DRAM
Max N.I. resolution @ 1MB	1024x768 (256 colours)	1024x768 (256 colours)	1024x768 (256 colours)	1024x768 (256 colours)
Max N.I. resolution @ 2MB	1280 x1024 (256 colours)	1280 x1024 (256 colours)	1280 x1024 (256 colours)	1280 x1024 (256 colours)
Max N.I. colours @ 1MB	16.8 million (640x480)	16.8 million (640x480)	16.8 million (640x480)	16.8 million (640x480)
Max N.I. colours @ 2MB	16.8 million (800x600)	16.8 million (800x600)	16.8 million (800x600)	16.8 million (800x600)



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VS550	575 / 5100	5133 / 5166	5200
Security			
Technology Access control	BIOS Level Security Power On/ CMOS Setup Password FD Access Virus Detection	BIOS Level Security Power On/ CMOS Setup Password FD Access Virus Detection	BIOS Level Security Power On/ CMOS Setup Password FD Access Virus Detection
Hardware	Case lock & security loop	Case lock & security loop	Case lock & security loop
Expansion (free)			
Total slots	5 (one shared PCI/ISA)	5 (one shared PCI/ISA)	5 (one shared PCI/ISA)
PCI	1 full & 1 half length	1 full & 1 half length	1 full & 1 half length
ISA	2 full & 2 half length	2 full & 2 half length	2 full & 2 half length
I/O ports			
Serial: quantity	2 (16550 compliant)	2 (16550 compliant)	2 (16550 compliant)
connectors	2 x 9-pin D-SUB	2 x 9-pin D-SUB	2 x 9-pin D-SUB
Parallel: quantity	1	1	1
type	ECP/EPP compliant	ECP/EPP compliant	ECP/EPP compliant
Dual channel PCI bus EIDE controller			
ATA IDE standard	Mode 4	Mode 4	Mode 4
Connector type	40-pin	40-pin	40-pin
Max data transfer	16.6MB/s	16.6MB/s	16.6MB/s
Keyboard type	PS/2	PS/2	PS/2
Mouse type	PS/2	PS/2	PS/2
Power supply			
Rating (constant)	145W	145W	145W
Rating (peak)	179W	179W	179W
Type	Switched mode	Switched mode	Switched mode
Voltage setting	External switch	External switch	External switch
Voltage input range (AC)	90-132V & 180-264V	90-132V & 180-264V	90-132V & 180-264V
Frequency input range	47-63Hz	47-63Hz	47-63Hz
Max loads: +5V	18A	18A	18A
+12V	4.2A	4.2A	4.2A
-12V	0.3A	0.3A	0.3A
External connectors	IEC in / IEC out	IEC in / IEC out	IEC in / IEC out
Floppy drive			
Type/capacity	3.5"/1.44MB	3.5"/1.44MB	3.5"/1.44MB
Controller	Embedded	Embedded	Embedded

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VS550	ALL MODELS	
Hard Drives	850MB	1.2GB
Type	E-IDE	E-IDE
Average access	14ms	12ms
Track to track seek	5ms	3.1ms
Burst data rate	6.5MB/sec	10.5MB/s
Cache	128KB	128KB
MTBF	300 000 poh	500 000 poh

System Dimensions

Width x depth x height	440 x 410 x 120mm
Weight	10Kg

Warranty

Standard cover (<i>UK mainland only</i>)	3 years limited warranty (1st year on-site, 2nd and 3rd year parts only); Monitor one year on-site only
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Preloaded Software

Operating System	Windows® 95, optional DOS 6.22 and Windows for Workgroups 3.11 (UK mainland only)
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Environmental

Temperature (operating)	5 to +35°C
Temperature (non-op.)	5 to +65°C
R. humidity (operating)	10 to 80%
R. humidity (non-op.)	10 to 90%
EMI/RFI approvals	CE Compliant with European CE mark regulations for Emissions Susceptibility. VCCI Level 2
Safety approvals	EN60-950, UL1950

Monitors	14" SVGAe	15" FST EVGAe	17" FST EVGAe	21" Diamondtron
Standard	SVGAe	EVGAe	EVGAe	EVGAe
CRT size (diag.)	14"	15"	17"	21"
CRT type	Anti-glare	FST anti-glare black tinted	FST dynamic focus, anti-glare/static	Diamondtron dark tint, anti-glare/static
Display area	260 x 190 (+/-3mm)	270 x 203 (+/-3mm)	290 x 218 (+/-3.5mm)	380 x 285 (+/-4mm)
Dot pitch	0.28mm	0.28mm	0.28mm	0.30mm
Phosphor	P22	P22	P22	P22
Video input	Analogue RGB	Analogue RGB	Analogue RGB	Analogue RGB
Max. video bandwidth	65MHz	110MHz	130MHz	180MHz
Max. res. x vert freq (non-interlaced)	1024 x 768 x 60Hz	1280 x 1024 x 60Hz 1024 x 768 x 75Hz	1600 x 1200 x 60Hz 1280 x 1024 x 75Hz	1600 x 1200 x 75Hz
Power: full operation	<80W	<100W	<130W max	165W
standby	<30W	<30W	<5W	<30W
active off	>5W	>5W	>5W	>11W
Power management	VESA DPMS support for EPA compliance	VESA DPMS support for EPA compliance	VESA DPMS support for EPA compliance	VESA DPMS support for EPA compliance
EMI/RFI approvals	CE mark compliant MPRII	CE mark compliant MPRII	CE mark compliant MPRII	CE mark compliant MPRII
Safety approvals	EN60-950	EN60-950	EN60-950	EN60-950
Dimensions: w x d x h (mm)	351 x 384x327	361 x 382 x 345	411 x 480 x 380	500 x 488 x 490
weight	12Kg	14Kg	23Kg	35Kg

Input Devices	KEYBOARD	MOUSE
Keys/buttons	102	2
Interface	PS/2	PS/2
Resolution	N/A	400dpi
Cable length	3m	1.83m
Dimensions: w x d x h	465 x 170 x 45mm	63 x 114 x 40mm
weight	1.4Kg	127g

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