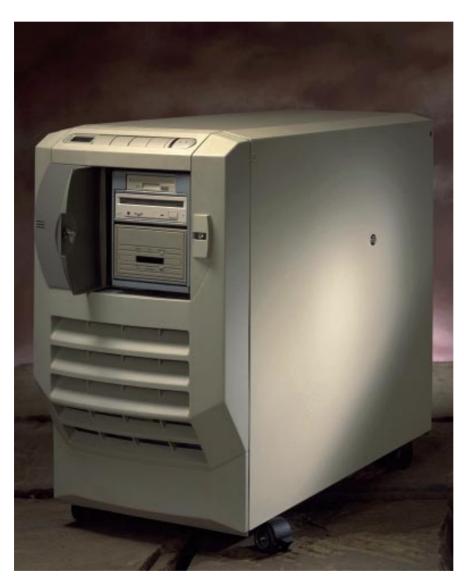




The reliable, robust, business-critical superserver



Features

- ► Up to four 133MHz or 166MHz Pentium Processors
- ►Up to 768MB ECC Protected Memory
- Four PCI Slots plus six EISA Slots
- ► Twenty 3.5" Hard Disk Drive Bays
- ► High Performance RAID Subsystem
- SCSI-II Fast and Wide Controllers
- ► Triple 5.25" Drive Bays for CD-ROM and Backup Devices
- ► Integral UPS with Full Protection
- Full Systems Management
- ► Supports NetWare, SCO UNIX, UnixWare, Windows NT
- ► Lifetime Warranty
- ►UK Built







Certificate No's:

System Overview

The apricot Shogun sets a new standard in network super-servers. Powerful, versatile, expandible, upgradeable and, above all, robust and reliable, it will provide the ideal combination of processing power, memory and storage capacity for businesscritical departmental applications.

Processing Power

Equally impressive is the Shogun's performance. For sheer processing power, its 133MHz single Pentium processor or 166MHz dual or quad Penium processors provide exactly the right scale of system for a particular application - and the expansion capacity to meet changing demands. The Shogun's capacity for data is huge by any standards. Currently provided by a subsystem containing up to twenty 4GB hard disks, it will gain even greater capacity as larger capacity disks become available.

High Availability

The primary requirement for a business-critical server is complete data integrity. You must have complete confidence in the data that underpins your business. Shogun gives you that confidence through its High Availability features. It has an integral,

rugged Uninterruptible Power Supply, and the option of a RAID subsystem.

The UPS protects the system against not just power failures, but also smoothes out the supply, cleaning up any spikes or temporary dips in the mains. Clean power is vital to ensure that all of the components operate at their optimum reliability.

The RAID subsystem is a high-performance three channel controller operating on the fast PCI bus. This splits the data over multiple disks and with the use of data redundancy techniques built into the onboard processor, and a 'hot spare' allows the Shogun to continue without interruption in the event of a disk failure. These two High Availability features deliver data integrity to your business critical system.

Systems Management

Operated through a true Windows application, multiple Shogun systems can be controlled from a remote location. Security is maintained by password, dialback and data encryption.

Systems Management maintains INDUSTRIAL STRENGTH ENGINEERING statistics of all recovered errors, and if a user defined threshold is exceeded, sends an alert. This allows timely fault identification and resolution. In effect a degraded component can be replaced before it becomes a problem, enabling a strategy of preventative and deferred maintenance to be put in

> Management information is available via SNMP, allowing Shogun to be part of a heterogeneous network.

Industrial Strength Engineering

Drawing on the expertise of the best of Mitsubishi's mainframe design engineers, Apricot has solved many of the industry issues seen in PC servers. Bus bars are used for power distribution to ensure that components operate at their optimum level, ensuring high reliability.

Hot swap disks can only be removed in two stages, disconnecting power and signal separately. This

> avoids spikes on the data lines which can cause data corruption. High spin speed disks cause stress on their backplane connectors. Shogun eliminates this by having floating connectors joined by high quality low loss SCSI cable.



BUSINESS CRITICAL

place.

Lifetime Warranty

It's this attention to detail

that means Shogun is quite simply the best engineered PC server around. And with a lifetime warranty, Shogun is the natural choice for your business critical applications.

Features and Benefits

Pentium Processing Power

The Shogun's twin processor slots support either single 133MHz or dual Pentium 166MHz processors, giving a capacity of up to four CPUs. Each CPU can have a 1Mb twoway set associative cache. The intelligent 64 bit bus is also designed to give good performance with only one processor installed - in this case arbitration is removed, allowing free access to memory and I/O.

High Performance Bus Expansion

For maximum versatility, there are four PCI slots, for use with the latest high performance peripherals, and six EISA slots which accept the widest possible range of boards for support of legacy systems. The PCI slots are provided across two PCI peer busses for maximum I/O performance.

Expandible Memory

Total memory capacity is 768 MBytes, provided by two memory cards, each with twelve 36 bit SIMM sockets. The memory controller is ECC protected, and supports 128bit memory access.

80GB Hard Disk Array

The Shogun's massive drive bay can accomodate up to twenty 3.5" drives, giving a capacity of up 80 GBytes, using 4GB drives. The drive bay consists of five modules of four drives each, with each module handled by a fast and wide SCSI interface. The architecture is designed to offer RAID high performance and fault tolerance via the DPT PCI RAID controller, ensuring data integrity. The drives are very high reliability, giving 1,000,000 hours MTBF.

Tamper-Proof Access

All physical access to the Shogun requires keys and infrared control. This prevents unauthorised access to exchangeables, fixed disks and other system components. Even the front panel buttons can be disabled, preventing accidental switch off. This makes Shogun suitable for siting in both departmental situations as well as in a computer room.

Robust Uninterruptible Power Supply

The fully integrated 850watt UPS with replaceable battery pack has comprehensive mains conditioning for protection against spikes and surges, as well as providing a long battery life to allow a controlled shutdown of the system in the event of a mains failure. The UPS also provides standby power for the Systems Management Controller allowing the system to be interrogated even in the event of mains power failure.

Industrial Strength Engineering

A solid metal chassis contains a host of features designed to ensure absolute reliability: bus bars for full voltage power distribution, over-specified power supply, over-specified temperature-sensing fans, a floating backplane to absorb disk torsion and a unique two-stage disk removal process which maintains data integrity by eliminating spikes from the data lines.

All of these, and more, show an attention to detail, ensuring the quality, reliability and robustness have been engineered into Shogun from the outset.

Sophisticated Systems Management

A fully-integrated Systems Management Controller (SMC) operates independently of the main CPUs. It receives standby power from the UPS and so can still function when the mains power has failed. The SMC provides system status monitoring, tamper-proof access control and many other features. Its main function is to provide statistical information on recovered errors, allowing any potentially degraded component to be replaced before it becomes a problem, ensuring maximum service availability. The user interface to the SMC is via the System Management Application: a Windows front end application which can be accessed securely through a serial modem interface and over a local area network.

Technical Specifications

Shogun	Single and Dual	Dual and Quad	
rocessor	133MHz	166MHz	
Type	Intel Pentium	Intel Pentium	
No. of CPU's	1 or 2	2 or 4	
Clock speed (Internal)	133MHz	166MHz	
Clock speed (External)	66MHz	66MHz	
Internal cache	2 x 8KB	2 x 8KB	
Coprocessor	Integral	Integral	
Data/address bus	64/32-bits	64/32-bits	
CPU socket type	320-pin ZIF (Type-5)	320-pin ZIF (Type 5)	
iCOMP benchmark	1110	1308	
xternal cache			
Supplied: per CPU	512KB	1MB	
Mapping	Two way	Two way	
Writing scheme	Write back	Write back	
Cache speed	15ns	15ns	
AM			
Minimum	32MB	32MB	
Maximum	768MB	768MB	
Туре	36-bit SIMM	36-bit SIMM	
Speed	70ns	70ns	
Fitted RAM location	Memory board	Memory board	
Sockets: per board	12 (3 x 4 SIMM banks)	12 (3 x 4 SIMM banks)	
maximum	24	24	
Fault detection	ECC	ECC	
Sizes supported	4, 8, 16 & 32MB	4, 8, 16 & 32MB	
OM	-, -,	-, -,	
Size	512KB	512KB	
Type	Flash ROM	Flash ROM	
Shadowable	Yes	Yes	
raphics (standard)	103	103	
Controller	Cirrus Logic GD5424	Cirrus Logic GD5424	
Interface	ISA	ISA	
Location	On-board	On-board	
Video memory: supplied	512KB	512KB	
upgradeable to	1MB	1MB	
type	DRAM	DRAM	
Max NI resolution	1024 x 768 x 16	1024 x 768 x 16	
Max NI colours	256 @ 800 x 600	256 @ 800 x 600	
O peripheral ports	250 @ 800 X 000	250 @ 800 x 000	
Serial: quantity	2	2	
connectors	2 x 9-pin D-SUB	2 x 9-pin D-SUB	
Parallel: quantity	1	1	
type	ECP/EPP compliant	ECP/EPP compliant	
Keyboard type	PS/2	PS/2	
Mouse type	PS/2	PS/2	
xpansion (free)			
Slots: PCI Local Bus	2	2	
Shared PCI / EISA	2	2	
EISA full length	4(3)	4(3)	
loppy drive			
Type/capacity	3.5"/1.44MB	3.5"/1.44MB	
Controller	Embedded	Embedded	
D ROM			
Model	Sony CDU76S	Sony CDU76S	
Type	SCŚI	SCŚI	
Speed	4.2	4.2	
Buffer memory	256KB	256KB	
Sustained transfer rate	684KB/s	684KB/s	
Photo CD support	Yes (Multi-session)	Yes (Multi-session)	



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Power supply Rating (constant) 850W 850W Rating (peak) Switched mode Type Voltage setting Auto ranging 100-120V & 200-240V Voltage input range (AC) 47-63Hz Frequency input range Max loads: DC0-2 120A DC3 +5V 40A +12V DC4 40A DC5 -5V 1 A DC6 -12V 1A DC7 +5V 1A IEC 320 C20 External connectors **Integral Uninterruptable Power Supply** Unipower 850W Model Maximum power load 15 mins. subject to loading 850W Mains failure runtime (minimum) Peak power 10ms Typical detection & switchover time 340 x 655 x 127mm Dimensions: w x d x h 40Kg 50 000 weight MTBF (power on hours) Disk Controller I/O Fast & wide SCSI-II (Adaptec 7870) Type Location On-board Max. devices SCSI channels Max. data transfer 20MB/s Disk Controller I/O (options) SCSI-II (Adaptec 3940) RAID DPT PM3224 Туре Expansion board Expansion board Location On-board processor 68030 @ 40MHz None Cache supplied (max) 4MB (64MB) None PCI 32-bit bus PCI 32-bit bus Interface 132MB/s 132MB/s Bus master rate Max. SCSI transfer 20MB/s 20MB/s SCSI bus support SCSI channels Fast Wide SCSI-II Fast Wide SCSI-II RAID support 0 & 1 (software) 0, 1 & 5 (hardware) 68-pin high density 68-pin high density External port **Disk Subsystem** 3.5" drive bays No. of 3.5" drives per bay 4 Hotpluggable Yes 5.25" removable media drive bays 3 Systems Management Controller 80C186EB Processor 25-pin D-SUB Modem port Fans & front door lock Fault monitoring Systems Management Interface Controller Type BIOS ISA adapter card 128KB Diagnostic processor Dedicated serial ports 8051 Flash RAM 8MB

ALL MODELS

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Shogun

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Shogun	ALL MODELS		
ard Drives	1GB	2GB	4GB
Type	Fast Wide SCSI-II	Fast Wide SCSI-II	Fast Wide SCSI-II
Average access	6.9ms	7.5ms	8.0ms
Track to track seek	0.6ms	0.6ms	0.6ms
Burst data rate	12.58MB/sec	12.58MB/sec	12.58MB/sec
Cache	512KB	512KB	512KB
MTBF (power-on-hours)	1 000 000	1 000 000	1 000 000
pe backup devices	PAT	DAT Autochanger	DLT
<u> </u>			
Model	Conner Peregrine	Conner Diamondback + Peregrine	Quantum DLT4000S
Interface type	SCSI-II / 1MB buffer	SCSI-II / 1MB buffer	SCSI-II+TCQ / 2MB buffer
Media	DAT 120m DDS & DDS II	4 x DAT 120m DDS & DDS II	DLT
Native capacity	4GB	16GB (4 x 4GB)	20GB
Max. capacity	8GB @ 2:1 / 16GB @ 4:1	32GB @ 2:1 / 64GB @ 4:1	40GB @ 2:1
Compression type	Hardware	Hardware	Hardware
Effective backup rate	48MB/min (compressed)	48MB/min (compressed)	180MB/min (compressed)
stem Dimensions			
Width x depth x height	410 x 800 x 700mm		
Weight	115Kg fully loaded / 50Kg minim	num system	
· ·	11)11g rang roaded / Joing Illillill		
arranty			
Standard cover	Lifetime: includes 5 years parts and	d 3 year on-site repair service (in countries	where available)
nvironmental			
Temperature (operating)	+10 to +35°C		
Temperature (non-op.)	-10 to +60°C		
R. humidity (operating)	20 to 80%		
R himidity (non-on)	20 to 80%		
R. humidity (non-op.)	20 to 80%		
EMI/RFI approvals	EMC Directive 89/336/EEC		
EMI/RFI approvals	EMC Directive 89/336/EEC	15" FST EVGAe	15" Trinitron EVGAe
EMI/RFI approvals Safety approvals onitors	EMC Directive 89/336/EEC EN 60-950 14" SVGAe		
EMI/RFI approvals Safety approvals onitors Standard	EMC Directive 89/336/EEC EN 60-950 14" SVGAe	EVGA	EVGA
EMI/RFI approvals Safety approvals onitors Standard CRT size (diagonal)	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14"	EVGA 15"	EVGA 15"
EMI/RFI approvals Safety approvals onitors Standard	EMC Directive 89/336/EEC EN 60-950 14" SVGAe	EVGA	EVGA 15" Super Fine Trinitron
EMI/RFI approvals Safety approvals onitors Standard CRT size (diagonal) CRT type	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare	EVGA 15" FST	EVGA 15" Super Fine Trinitron anti-glare/static
EMI/RFI approvals Safety approvals onitors Standard CRT size (diagonal) CRT type Display area	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm)	EVGA 15" FST 270 x 203 (+/- 3mm)	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm)
EMI/RFI approvals Safety approvals onitors Standard CRT size (diagonal) CRT type Display area Dot pitch	EMC Directive 89/336/EEC EN 60-950 14" SVGA SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm
EMI/RFI approvals Safety approvals onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22
EMI/RFI approvals Safety approvals onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB
EMI/RFI approvals Safety approvals onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz
EMI/RFI approvals Safety approvals onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation standby	EMC Directive 89/336/EEC EN 60-950 14" SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600 Less than 80W Less than 20W	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz 100W <5W	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz 110W maximum 8W maximum
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation standby active off	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600 Less than 80W Less than 20W >5W	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz 100W <5W >5W	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz 110W maximum 8W maximum >5W
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation standby	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600 Less than 80W Less than 20W >5W VESA DPMS support	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz 100W <5W >5W VESA DPMS support	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz 110W maximum 8W maximum 8V maximum >5W VESA DPMS support
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation standby active off Power management	EMC Directive 89/336/EEC EN 60-950 14" SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600 Less than 80W Less than 20W >5W VESA DPMS support for EPA compliance	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz 100W <5W >5W VESA DPMS support for EPA compliance	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz 110W maximum 8W maximum >5W VESA DPMS support for EPA compliance
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation standby active off	EMC Directive 89/336/EEC EN 60-950 14" SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600 Less than 80W Less than 20W >5W VESA DPMS support for EPA compliance EN 55022 Limit B	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz 100W <5W >5W VESA DPMS support for EPA compliance EN 55022 Limit B	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz 110W maximum 8W maximum 8V maximum >5W VESA DPMS support
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation standby active off Power management	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600 Less than 80W Less than 20W >5W VESA DPMS support for EPA compliance EN 55022 Limit B VDE 0871 Vfg 243	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz 100W <5W >5W VESA DPMS support for EPA compliance EN 55022 Limit B VDE 0871 Vfg 243	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz 110W maximum 8W maximum >5W VESA DPMS support for EPA compliance CE mark compliant
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation standby active off Power management EMI/RFI approvals	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600 Less than 80W Less than 20W >5W VESA DPMS support for EPA compliance EN 55022 Limit B VDE 0871 Vfg 243 Limit B MPRII	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz 100W <5W >5W VESA DPMS support for EPA compliance EN 55022 Limit B VDE 0871 Vfg 243 Limit B MPRII	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz 110W maximum 8W maximum >5W VESA DPMS support for EPA compliance CE mark compliant MPRII
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation standby active off Power management EMI/RFI approvals Safety approvals	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600 Less than 80W Less than 20W >5W VESA DPMS support for EPA compliance EN 55022 Limit B VDE 0871 Vfg 243 Limit B MPRII EN60-950	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz 100W <5W >5W VESA DPMS support for EPA compliance EN 55022 Limit B VDE 0871 Vfg 243 Limit B MPRII EN60-950	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz 110W maximum 8W maximum >5W VESA DPMS support for EPA compliance CE mark compliant MPRII EN60-950
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation standby active off Power management EMI/RFI approvals Safety approvals Dimensions: w x d x h	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600 Less than 80W Less than 20W >5W VESA DPMS support for EPA compliance EN 55022 Limit B VDE 0871 Vfg 243 Limit B MPRII EN60-950 351 x 384 x 327mm	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz 100W <5W >5W VESA DPMS support for EPA compliance EN 55022 Limit B VDE 0871 Vfg 243 Limit B MPRII EN60-950 361 x 382 x 345mm	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz 110W maximum 8W maximum >5W VESA DPMS support for EPA compliance CE mark compliant MPRII EN60-950 368 x 385 x 373mm
EMI/RFI approvals Safety approvals Onitors Standard CRT size (diagonal) CRT type Display area Dot pitch Phosphor Video input Maximum video bandwidth Max resolution (non-interlaced) Power: full operation standby active off Power management EMI/RFI approvals Safety approvals	EMC Directive 89/336/EEC EN 60-950 14" SVGAe SVGA 14" Anti-glare 245 x 183 (+/- 3mm) 0.28mm P22 Analogue RGB 35MHz 800 x 600 Less than 80W Less than 20W >5W VESA DPMS support for EPA compliance EN 55022 Limit B VDE 0871 Vfg 243 Limit B MPRII EN60-950	EVGA 15" FST 270 x 203 (+/- 3mm) 0.28mm P22 Analogue RGB 110MHz 1280 x 1024 x 60Hz 100W <5W >5W VESA DPMS support for EPA compliance EN 55022 Limit B VDE 0871 Vfg 243 Limit B MPRII EN60-950	EVGA 15" Super Fine Trinitron anti-glare/static 270 x 202 (+/- 2mm) 0.26mm P22 Analogue RGB 107MHz 1280 x 1024 x 60Hz 1024 x 768 x 75Hz 110W maximum 8W maximum >5W VESA DPMS support for EPA compliance CE mark compliant MPRII EN60-950
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