

DIGITAL Ultimate Workstation 533a² / 533au²

DIGITAL Ultimate Workstation 533a ² /533au ²	
MODEL NUMBER	DIGITAL Ultimate Workstation 533a² for NT version, DIGITAL Ultimate Workstation 533au² for UNIX version
Processor	Dual 533MHz 21164 (EV56 Alpha processors)
OPERATING SYSTEMS	Microsoft Windows NT 4.0 and DIGITAL UNIX 4.0B or greater
SYSTEM CHARACTERISTICS	
SPECint95	16.6 (1 CPU)
SPECfp95	30.5 (2 CPUs)
SPECint_base95	15.1 (1 CPU)
SPECfp_base95	25.5 (2 CPUs)
Linpack (100x100, DP MFLOPS)	250.9 (1 CPU)
Linpack (1000x1000, DP MFLOPS)	1277 (2 CPUs)
CPU (Microprocessor)	DIGITAL Alpha 21164
CPU Clock Speed (MHz)	533
CPU Upgrades	None
CPU Data Bus Width	128-bit data bus and a separate 40-bit command/address bus
Instruction Issue	microprocessor is a superscalar quad-instruction issue
Minimum Memory	512MB ECC
Maximum Memory	2 GB ECC
On-chip Cache(Instr/Data) Direct Mapped	8KB instruction / 8KB data
On-chip Cache (L2 secondary level)	96KB
Memory Bus Width	128 bit
Memory Bus Speed	948MB/sec (reads), 853 MB./sec (writes), Sustained R/W 750 MB/sec.
GRAPHICS	
Graphics Options	PowerStorm 3D30, Powerstorm 4D20, Powerstorm 4D51T and Powerstorm 4D60T
Base Graphics	No embedded graphics, entry level graphics is Powerstorm 3D30
Multi-graphic screen support	dual head homogeneous support with either powerstorm 3D30 or 4D20 on DIGITAL UNIX

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LOAD/STORAGE MEDIA	
Internal Storage	7 1.6 inch 5.25 hard drives
Front Access Storage	Three 5.25" x 1" or 1.6" bays (one for CD-ROM); One 3.5" Floppy
Internal Storage Options	2.1GB, 4.3GB and 9.0GB Ultra SCSI (40 MB/Sec)
Front Access/External Storage Options	5.25 removable media bay Fast SCSI-2, FW SCSI-2, FEW SCSI-2, Ultra SCSI, RAID
Maximum Storage: (Internal)	63 GB
(Total)	7.9 TB
INPUT/OUTPUT	
Input Devices	3-button Mouse, PS/2 style
Networks	Integrated 10/100Base Tx Ethernet, 10-BaseT/2 Ethernet w/BNC option, FDDI, Token Ring, ATMoption
Communications	One bi-directional parallel port, Two Serial ports, keyboard, Mouse
Audio Voice Quality In/Out	none
Disk Controllers	UltraWide SCSI PCI adapter, Integrated FNSE (CDROM, additional removable device)
Expansion Slots	3 PCI, 1 PCI/EISA (includes embedded SCSI and Ethernet adapters)
PHYSICAL CHARACTERISTICS	
Height/Width/Depth/Weight	18.1X14.1X23.1, 113lbs (max), 46cmX35.8cmX58.6cm, 51kg
Power (Voltage, Phase, Watts)	120/240V, dual 420 AC Watts (max)
Form Factor	Wide pedestal
ENVIRONMENTAL CHARACTERISTICS (operational)	
Temperature	10°- 40°C (50°-104°F)
Temperature Change Rate	11°C/hr (20°F/hr)
Relative Humidity	10 - 90% non-condensing
Maximum Wet Bulb	28°C (82°F)
Minimum Dew Point	2°C (36°F)
Physical Shock	10 G peak, 10ms (+/- 3ms) duration
Vibration	10 - 500 Hz @ 0.1G peak
REGULATORY APPROVALS	Safety: UL1950, TUV EN 60950, VDE 0805 GS marked, ZH1/618, IEC-950, EMC: FCC 15J part 15 class "A", CISPR-22, VCCI-2, CE:EN 55022, EN50082, CNS13438,AS/NZS 3548, Australian Standard, NZS 6661:1989 New Zealand Standard, EN 60 950: 1992 European Norm, C-Mark