Lenovo

Lenovo 3000 J100 Intel Pentium 4 640 Intel® Pentium® 4 1 GB DDR-SDRAM 160 GB SiS 661FX Windows XP Home Edition PC

Brand : Lenovo   **Product family:** 3000   **Product code:** PPCE2BD

Product name : 3000 J100 Intel Pentium 4 640

Intel Pentium 4 Processor 640 with HT Technology, 2x512MB, 160GB 7200RPM S-ATA HDD, PCI/AGP Tower (4x4), SiS 661FX, Multi-Burner Plus 16x, Realtek 10/100 Ethernet, IEEE 1394, Windows XP Home

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J100 desktops are equipped with your choice of Intel processors. Get exceptional levels of power, performance and reliability for all your home and business computing needs with an Intel processor. Lenovo 3000 J100 Intel Pentium 4 640. Processor frequency: 3.2 GHz, Processor family: Intel® Pentium® 4, Processor model: 640. Internal memory: 1 GB, Internal memory type: DDR-SDRAM. Total storage capacity: 160 GB, Optical drive type: DVD-RW. On-board graphics card model: Intel® HD Graphics, Discrete graphics card model: SiS 661FX. Operating system installed: Windows XP Home Edition. Power supply: 250 W. Product type: PC. Weight: 8.3 kg

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Pentium® 4
Processor model *	640
Processor cores	1
Processor threads	2
Processor frequency *	3.2 GHz
Processor socket	LGA 775 (Socket T)
Processor cache	2 MB
Processor cache type	L2
Processor front side bus	800 MHz
Bus type	FSB
FSB Parity	✘
Processor lithography	90 nm
Processor operating modes	64-bit
Processor codename	Prescott
Thermal Design Power (TDP)	84 W
Tcase	66.6 °C
PCI Express slots version	2.0
Number of Processing Die Transistors	169 M
Processing Die size	135 mm²
CPU multiplier (bus/core ratio)	16
Processor core voltage (AC)	1.25 - 1.388 V
Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1066 MHz
Memory bandwidth supported by processor (max)	17 GB/s
ECC supported by processor	✘

Memory

Internal memory *	1 GB
Maximum internal memory *	2 GB
Internal memory type	DDR-SDRAM
Memory channels	Dual-channel

Performance

Audio system	AC-97
Product type *	PC

Software

Operating system installed *	Windows XP Home Edition
Bundled software	Diskeeper Lite, Lenovo Care, Lenovo Password Manager, Norton Internet Security (OEM Edition) with 90 days of virus definition updates, PC Doctor diagnostics, ThinkVantage Rescue and Recovery, ThinkVantage System Update

Processor special features

Intel® Wireless Display (Intel® WiDi)	✘
Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✘
Intel® InTru™ 3D Technology	✘
Intel® Insider™	✘
Intel® Clear Video HD Technology (Intel® CVT HD)	✘
Intel Clear Video Technology	✘
Idle States	✘
Thermal Monitoring Technologies	✔
Intel® AES New Instructions (Intel® AES-NI)	✘
Intel Trusted Execution Technology	✘
Execute Disable Bit	✔
Intel Enhanced Halt State	✘
Intel Demand Based Switching	✘
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Processor package size	37.5 x 37.5 mm
Supported instruction sets	SSE4.1/4.2

Storage

Total storage capacity *	160 GB
Optical drive type *	DVD-RW
HDD interface	SATA
HDD speed	7200 RPM

Graphics

On-board graphics card *	✔
Discrete graphics card model *	SiS 661FX
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics
On-board graphics card base frequency	850 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Number of displays supported (on-board graphics)	2

Ports & interfaces

USB 2.0 ports quantity *	6
VGA (D-Sub) ports quantity	1
PS/2 ports quantity	2
Firewire (IEEE 1394) ports	1
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Serial ports quantity	1
Parallel ports quantity	1

Processor special features

CPU configuration (max)	1
Intel Virtualization Technology for Directed I/O (VT-d)	✘
Intel Virtualization Technology (VT-x)	✘
Intel Rapid Storage Technology	✘
Processor ARK ID	27480
Intel® Turbo Boost Technology	✘
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Quick Sync Video Technology	✘
Intel® My WiFi Technology (Intel® MWT)	✘
Intel® Anti-Theft Technology (Intel® AT)	✘
Conflict-Free processor	✘

Power

Power supply *	250 W

Weight & dimensions

Width *	180 mm
Depth *	458 mm
Height *	374 mm
Weight *	8.3 kg

Display

Display included *	✘

Other features

Video adapter, bus	AGP 8X
Security features	-Boot sequence control -Power on password -Serial port I/O control -Boot without keyboard or mouse -Configuration password -Diskette boot inhibit -Parallel port I/O control
Diskette drive memory	1.44 MB
Networking features	Ethernet/Fast Ethernet

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