



HP Z400 Workstation Intel® Xeon® 3000er-Prozessoren W3520 3 GB DDR3-SDRAM 320 GB HDD Windows XP Professional Arbeitsstation



Marke : HP

Artikel-Code: KK613EA

Produktname : Z400 Workstation

Intel Xeon Quad-Core W3520 (2.66GHz, 8MB, 1066MHz), 3GB DDR3, 320GB SATA 7200 rpm, SATA 16X DVD+/-RW SuperMulti LightScribe, Windows 7 Professional / downgrade Windows XP Professional
HP Z400 Workstation. Prozessor-Taktfrequenz: 2,66 GHz, Prozessorfamilie: Intel® Xeon® 3000er-Prozessoren, Prozessor: W3520. Arbeitsspeicher (RAM): 3 GB, Interner Speichertyp: DDR3-SDRAM, Speichertaktfrequenz: 1333 MHz. Gesamtspeicherkapazität: 320 GB, Speichermedien: HDD, Integrierter Kartenleser, Optisches Laufwerk - Typ: DVD Super Multi. Vorinstalliertes Betriebssystem: Windows XP Professional. Stromversorgung: 475 W. Produkttyp: Arbeitsstation. Gewicht: 15,1 kg

Prozessor		Prozessor Besonderheiten	
Prozessorhersteller *	Intel	Intel® Insider™	×
Prozessorfamilie *	Intel® Xeon® 3000er-Prozessoren	Intel Clear Video HD Technology	×
Prozessor *	W3520	Intel® Clear Video Technologie	×
Anzahl der Prozessorkerne	4	Intel VT-x with Extended Page Tables (EPT)	✓
Prozessor-Threads	8	Idle States	✓
Max. Turbo-Taktfrequenz des Prozessor	2,93 GHz	Thermal Monitoring Technologies	×
Prozessor-Taktfrequenz *	2,66 GHz	Intel AES New Instructions	×
Prozessorsockel	Socket B (LGA 1366)	Intel Trusted Execution Technology	×
Processor cache	8 MB	Execute Disable Bit	✓
Prozessor Cache Typ	Smart Cache	Intel FDI Technology	×
Frontsidebus des Prozessors	1066 MHz	Intel Flex Memory Access	×
System-Bus	4,80 GT/s	Intel Fast Memory Access	×
Bus type	QPI	Intel® Smart Cache	✓
FSB Parity	×	Intel Enhanced Halt State	✓
Prozessor Lithografie	45 nm	Intel Demand Based Switching	✓
Processor operating modes	64-Bit	Intel Clear Video Technology for MID	×
Prozessor-Serien	Intel Xeon 3500 Series	Prozessor-Paketgröße	42.5 x 45.0 mm
Prozessor Codename	Bloomfield	Supported instruction sets	SSE4.2
Thermal Design Power (TDP)	130 W	Prozessor-Code	SLBEW
Prozessorsystemtyp	Hoch	Physical Address Extension (PAE)	36 Bit
Tcase	67,9 °C	CPU configuration (max)	1
Anzahl Prozessoren installiert	1	Intel® Virtualisierungstechnik für direkte I/O (VT-d)	×
Number of QPI links	1	Intel® Virtualization Technologie (VT-X)	✓
Anzahl der Processing Die Transistoren	731 M	Intel Dual Display Capable Technology	×
Processing die Größe	263 mm²	Intel Rapid Storage Technology	×
Stepping	D0	ARK Prozessorerkennung	39718
CPU multiplier (bus/core ratio)	20	Intel® Turbo-Boost-Technologie	1.0
Prozessorkernspannung (Wechselstrom)	0.800 - 1.225 V	Intel Hyper-Threading Technologie	✓
Maximaler interner Speicher, vom Prozessor unterstützt	24 GB	Intel® Quick Sync Video Technology	×
Speichertypen, vom Prozessor unterstützt	DDR3-SDRAM	Intel My WiFi Technology	×
Speichertaktraten, vom Prozessor unterstützt	800,1066 MHz	Intel Anti-Theft Technologie	×
Durch den Prozessor (max) unterstützte Speicherbandbreite	25,6 GB/s		

Prozessor		Prozessor Besonderheiten	
ECC vom Prozessor unterstützt	✓	Konfliktloser-Prozessor	✗
Speicher		Energiemanagement	
Arbeitsspeicher (RAM) *	3 GB	Stromversorgung *	475 W
Maximaler Hauptspeicher *	16 GB	Betriebsbedingungen	
Interner Speichertyp	DDR3-SDRAM	Temperaturbereich bei Betrieb	5 - 35 °C
Speichertaktfrequenz	1333 MHz	Temperaturbereich bei Lagerung	-40 - 60 °C
ECC	✓	Luftfeuchtigkeit bei Betrieb	8 - 85%
Speicherkanäle	Dreifach-Kanal	Luftfeuchtigkeit (ausser Betrieb)	8 - 90%
Speichermedien		Höhe bei Lagerung	9100
Gesamtspeicherkapazität *	320 GB	Gewicht u. Abmessungen	
Speichermedien *	HDD	Breite *	167,9 mm
Optisches Laufwerk - Typ *	DVD Super Multi	Tiefe *	455,3 mm
Gesamtkapazität der HDDs	320 GB	Höhe *	450,2 mm
Festplattenkapazität	320 GB	Gewicht *	15,1 kg
Festplatten Schnittstelle	SATA	Anzeige	
Festplatte Rotationsgeschwindigkeit	7200 RPM	Anzeige eingeschlossen *	✗
Integrierter Kartenleser	✓	Weitere Spezifikationen	
Konnektivität		Grafikadapter - Leistungsmerkmale	No integrated Graphic Card
Weitere Anschlüsse	Front: 2 USB 2.0, 1 microphone in, 1 headphone out, optional 1 IEEE 1394a; Rear: 6 USB 2.0, 1 audio in, 1 audio out, 1 microphone in, 2 PS/2, 1 RJ-45 to integrated Gigabit LAN, optional 1 serial; Internal: 4 USB 2.0	Energiebedarf	475 watts wide-ranging, active Power Factor Correction, 85% efficient Power Supply
Anzahl der USB 2.0 Ports *	8	Festplattencontroller	Integrated SATA 3 Gb/s controller with RAID (0, 1, 5 or 10) capability, optional SAS controller, LSI 3041E 4-port SAS/SATA, with RAID (0, 1 or 10) capability
Anzahl PS/2 Anschlüsse	2	Speichererweiterung	16 GB
Anzahl Ethernet LAN (RJ-45) Anschlüsse	1	Diskettenlaufwerk	No Floppy Disk Drive, HP 22-in-1 Media Card Reader
Mikrofon, Line-In Anschluss	✓	Festplatte	320 GB 7200 rpm SATA NCQ SATA 320 GB
Kopfhörerausgänge	1	Display	HP LP1965 19-inch LCD Monitor, HP LP2065 20-inch LCD Monitor, HP LP2275w 22-inch Widescreen LCD Monitor, HP LP2475w 24-inch Widescreen LCD Monitor, HP DreamColor LP2480zx Professional Display (24-inch widescreen), HP LP3065 30-inch Widescreen LCD Monitor (all sold separately)
Design		Externe Laufwerkseinschübe	3 external 5.25" bays 2 internal 3.5" bays (up to 4 with converter)
Ursprungsland	China	Erweiterungssteckplätze	2 PCI Express Gen2 x16; 1 PCI Express Gen2 (x8 mechanically, x4 electrically); 1 PCI Express Gen1 (x8 mechanically, x4 electrically); 2 PCI; 1 22-in-1 Media Card Reader (optional)
Performance		Audio im Lieferumfang	Integrated High Definition Realtek ALC262 Audio, optional Creative X-Fi Titanium PCIe Audio Card, optional HP Thin USB Powered Speakers
Motherboard Chipsatz	Intel® X58 Express	Sicherheitsmanagement - Beschreibung	HP Solenoid Hood Lock/Sensor Kit, Kensington Security Cable & Lock
Audio-System	Integrated High Definition Realtek ALC262 Audio, optional Creative X-Fi Titanium PCIe Audio Card, optional HP Thin USB Powered Speakers	Tastatur	HP PS/2 Standard Keyboard
Produkttyp *	Arbeitsstation	Eingabegerät	HP USB Laser Scroll Mouse
Software		Gewicht (imperial)	Starting at 33.3 lb
Vorinstalliertes Betriebssystem *	Windows XP Professional	Hinweis zum Betriebssystem	HP Linux Installer Kit includes drivers for both 32-bit & 64-bit OS versions of Red Hat Enterprise Linux WS4 and WS5. Red Hat Enterprise Linux WS5: Software is not loaded on hard drive. URL and software license number for downloading latest version is included in box.
Prozessor Besonderheiten			
Intel Wireless Display (WiDi) Technology	✗		
Intel® 64	✓		
Enhanced Intel SpeedStep Technologie	✓		
Embedded options available	✗		
Intel® InTru™ -3D-Technik	✗		

Weitere Spezifikationen

Typ des Festplattencontrollers	SATA (10000 rpm) SATA (7200 rpm) SAS (15000 rpm)
Maximaler Festplattenspeicher	600 GB
Minimum HD Speicher	146 GB



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