

TERRA Workstation 7100 Intel® Core™ i5 i5-650 4 GB DDR3-SDRAM Windows 7 Professional Tower Black, Silver

Brand : TERRA

Product code: 1000920

Product name : TERRA Workstation 7100

TERRA Workstation 7100. Processor frequency: 3.2 GHz, Processor family: Intel® Core™ i5, Processor model: i5-650. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1333 MHz. Optical drive type: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics. Operating system installed: Windows 7 Professional, Operating system architecture: 64-bit. Power supply: 400 W. Chassis type: Tower. Product type: Workstation. Weight: 18 kg. Product colour: Black, Silver



Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i5	Operating system installed *	Windows 7 Professional
Processor generation	Intel® Core™ i5	Drivers included	✓
Processor model *	i5-650	Trial software	Kaspersky Internet Security
Processor cores	2	Bundled software	Adobe Reader
Processor threads	4	Processor special features	
Processor boost frequency	3.46 GHz	Intel® Wireless Display (Intel® WiDi)	✗
Processor frequency *	3.2 GHz	Intel 64	✓
Processor socket	LGA 1156 (Socket H)	Enhanced Intel SpeedStep Technology	✓
Processor cache	4 MB	Embedded options available	✗
Processor cache type	Smart Cache	Intel® InTru™ 3D Technology	✗
System bus rate	2.5 GT/s	Intel® Insider™	✗
Bus type	DMI	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
FSB Parity	✗	Intel Clear Video Technology	✗
Processor lithography	32 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes	64-bit	Idle States	✓
Processor series	Intel Core i5-600 Desktop Series	Thermal Monitoring Technologies	✗
Processor codename	Clarkdale	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	73 W	Intel Trusted Execution Technology	✓
Tcase	72.6 °C	Execute Disable Bit	✓
PCI Express slots version	2.0	Intel FDI Technology	✓
Maximum number of PCI Express lanes	16	Intel Flex Memory Access	✗
PCI Express configurations	1x16, 2x8	Intel Fast Memory Access	✗
Number of processors installed	1	Intel Enhanced Halt State	✓
Number of Processing Die Transistors	382 M	Intel Demand Based Switching	✗
Processing Die size	81 mm²	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Stepping	C2	Processor package size	37.5 x 37.5 mm
CPU multiplier (bus/core ratio)	24	Supported instruction sets	SSE4.2
Maximum internal memory supported by processor	16 GB	Physical Address Extension (PAE)	36 bit
Memory types supported by processor	DDR3 1066/1333		
Memory bandwidth supported by processor (max)	21 GB/s		
ECC supported by processor	✗		

Memory		Processor special features	
Internal memory *	4 GB	CPU configuration (max)	1
Maximum internal memory *	16 GB	Graphics & IMC lithography	45 nm
Internal memory type	DDR3-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory layout (slots x size)	2 x 2 GB	Intel Virtualization Technology (VT-x)	✓
Memory slots	4x DIMM	Intel Dual Display Capable Technology	✓
Memory clock speed	1333 MHz	Intel Rapid Storage Technology	✗
Memory channels	Dual-channel	Processor ARK ID	43546
Storage		Intel® Turbo Boost Technology	1.0
Optical drive type *	DVD Super Multi DL	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Number of HDDs installed	1	Intel® Quick Sync Video Technology	✗
HDD capacity	500 GB	Intel® My WiFi Technology (Intel® MWT)	✗
HDD interface	SATA II	Intel® Anti-Theft Technology (Intel® AT)	✗
HDD speed	7200 RPM	Conflict-Free processor	✗
Card reader integrated	✗	Power	
RAID support	✓	Power supply *	400 W
RAID levels	0, 1, 5, 10	Operational conditions	
Graphics		Operating temperature (T-T)	10 - 32 °C
On-board graphics card *	✓	Storage temperature (T-T)	-20 - 50 °C
On-board graphics card family	Intel® HD Graphics	Operating relative humidity (H-H)	10 - 75%
On-board graphics card model *	Intel® HD Graphics	Storage relative humidity (H-H)	5 - 95%
On-board graphics card base frequency	733 MHz	Certificates	
Number of displays supported (on-board graphics)	2	Certification	EnergyStar, CE, ISO 9001, RoHS
Maximum graphics card memory	1.024 GB	Weight & dimensions	
Ports & interfaces		Width *	200 mm
USB 2.0 ports quantity *	10	Depth *	500 mm
VGA (D-Sub) ports quantity	1	Height *	445 mm
HDMI ports quantity *	1	Weight *	18 kg
PS/2 ports quantity	2	Packaging content	
eSATA ports quantity	1	Mouse included	✓
Ethernet LAN (RJ-45) ports	1	Display	
Microphone in	✓	Display included *	✗
Headphone outputs	1	Other features	
S/PDIF out port	✓	Power requirements	100-240 V, 6 A, 50-60 Hz
DVI-I ports quantity	1	Motherboard manufacturer	Asus
Expansion slots		External drive bays	4 x 5.25", 1 x 3.5"
PCI Express x1 slots	2	Internal drive bays	4 x 3.5"
PCI Express x16 slots	1	Networking features	Gigabit Ethernet (10/100/1000)
PCI slots	3	Graphics card family	AMD
Design		Graphics card	Radeon HD 5570
Chassis type *	Tower		
Product colour *	Black, Silver		
Performance			
Motherboard chipset	Intel® P55 Express		
Audio system	HD VIA VT1828S		
Audio output channels	7.1 channels		
Product type *	Workstation		



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