ThinkCentre E63z Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel® Pentium® or 4th Generation Intel Core™ i3 Processor

Processor	Cores / Threads	Clock Speed	Max Burst Frequency	Cache	Memory Types	Integrated Graphics
Pentium J2900	4 / 4	2.41 GHz	2.66 GHz	2MB	DDR3L-1333	Intel HD
Core i3-4005U	2 / 4	1.7 Ghz	-	3MB	DDR3L-1600	Intel HD 4400

* System-on-Chip (SoC) solution, integrates Intel processor core, Graphics, Memory Controller, and I/O interfaces

Memory

Pentium models: 8GB max[7] / DDR3 Low Voltage, DDR3L-1600*, non-parity, one 204-pin SO-DIMM socket
Core i3 models: 16GB max[7] / DDR3 Low Voltage, DDR3L-1600, non-parity, two 204-pin SO-DIMM sockets
*System automatically clocks down for 1333MHz DDR3 memory controller

Disk

Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm
Some: 500GB (5400 rpm) or 1TB (5400 rpm) hybrid hard disk / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" wide
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide

Optical

None

SATA controller

Pentium models: Serial ATA, SATA 3.0Gb/s support, integrated in processor
Core i3 models: Serial ATA, SATA 6.0Gb/s support, integrated in processor

Media reader

Optional 7-in-1 media card reader (Core i3 models only)

Graphics

Intel HD Graphics or **Intel HD Graphics 4400** in processor, uses main memory, *Maximum resolution:* 1600x900@60Hz (panel); 2560x1600@60Hz (HDMI-out)

Display

19.5" (495.3mm) **HD+ (1600x900) TFT color**, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, wide viewing angle (horizontal: +/- 85°; vertical: +/- 80°), frameless for touch models, anti-glare for non-touch models

Multi-touch

Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch

Camera

Some: 720p camera, 1.0-megapixel, fixed focus, digital microphone, LED indicator

Controls

Power button on right side

Chipset

Intel System-on-Chip (SoC) platform

Rear ports

Pentium models: Two USB 2.0, ethernet (RJ-45), DC-IN
Core i3 models: Two USB 2.0, ethernet (RJ-45), HDMI-out, DC-IN

Side ports

Pentium models: One USB 3.0, one microphone / headphone combo jack (3.5mm)
Core i3 models: One USB 3.0 (charging port), one microphone / headphone combo jack (3.5mm), 7-in-1 card reader

ExpressCard

None

PCIe Mini Card

One PCI Express Mini Card slot (half size, for WLAN)

Audio support

High Definition (HD) Audio, Realtek ALC233 (Pentium models) or Conexant CX20751 (Core i3 models) / internal speakers (3watt x 2)

WLAN[13]

Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8723BE, Wi-Fi + Bluetooth combo adapter, 1x1
Some: 11b/g/n wireless, PCIe Half Mini Card, Realtek RTL8192EE, Wi-Fi + Bluetooth combo adapter, 2x2
Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2
Some: 11ac/a/b/g/n wireless, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

One gigabit ethernet port, Realtek RTL8111G, Wake on LAN®

vPro & iAMT

None

Security chip

None

Security features

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement

Keyboard

Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo
Some: Lenovo Slim USB Keyboard (USB connector), Lenovo logo

Mouse

Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver)
Some: Enhanced Optical USB Mouse, Lenovo logo
Some: Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver)

Mechanical

- Business black or white
- Support VESA mount (100mm)
- Optional frame stand

Dimensions *(WxDxH)*	Weight (Maximum)	Adjustments
E63z non-touch with frame stand		
19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	8.82 lb (4 kg)	Tilt: 10° to 60° back
E63z touch with frame stand		
19.21" X 2.44" X 13.62" 488mm X 62mm X 346mm	10.58 lb (4.8 kg)	Tilt: 10° to 60° back

Power supply

65 watts external adapter, autosensing, 88% PSU, 100-240V (50-60Hz)

Limited warranty[3]

Some: **1-year or 3-years**, **limited onsite service** / service upgrades available
Some: **1-year or 3-years**, **Depot or Carry-in** / service upgrades available
For Lenovo service upgrade options, please go to S-TC sheet

Preload

Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit

Ready to install applications (only some listed)

- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Device Experience
- ThinkVantage AutoLock
- Lenovo SHAREit
- BlueTooth Security Lock
- Desktop Power Manager
- View Management Utility
- Lenovo Solution Center
- Lenovo Message Center Plus
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)
- Evernote®
- Nitro Pro

Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit
Some: Windows 8.1 with Bing 64-bit

Web install applications (only some listed)

- Password Manager

Preloaded applications (only some listed)

- ThinkVantage System Update
- ThinkVantage AutoLock
- Lenovo SHAREit
- BlueTooth Security Lock
- Desktop Power Manager
- Lenovo Solution Center
- Lenovo Support
- Lenovo Companion
- Norton Internet Security (30 days of virus definitions)
- Skype™
- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD (DVD±RW, DVD)
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)
- Evernote®
- Nitro Pro
- AccuWeather
- Norton™ Studio
- Pokki
- Hightail

Environment

EPEAT™ Gold (For Windows models only);
ENERGY STAR® 6.0 (For Windows models only);
GREENGUARD®; RoHS-compliant; Cisco EnergyWise compatible; ErP Lot 3

See footnotes for more detailed information

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