# ThinkCentre M810z Platform Specifications



**Processor**

Intel® Celeron®, Intel Pentium®, or 6th / 7th Gen Intel Core™ i3 / i5 / i7 Processor

| Processor | Cores / Threads | Frequency Base/Max(GHz) | Cache | Memory Support (Up to) | Integrated Graphics |
|---|---|---|---|---|---|
| Pentium G4400 | 2 / 2 | 3.3G | 3 MB | DDR4-2133 | HD 510 |
| Pentium G4560 | 2 / 4 | 3.5G | 3 MB | DDR4-2400 | HD 610 |
| Pentium G4600 | 2 / 4 | 3.6G | 3 MB | DDR4-2400 | HD 630 |
| Core i3-6100 | 2 / 4 | 3.7G | 3 MB | DDR4-2133 | HD 530 |
| Core i5-6500 | 4 / 4 | 3.2G / 3.6G | 6 MB | DDR4-2133 | HD 530 |
| Core i7-6700 | 4 / 8 | 3.4G / 4.0G | 8 MB | DDR4-2133 | HD 530 |
| Core i3-7100 | 2 / 4 | 3.9G | 3 MB | DDR4-2400 | HD 630 |
| Core i5-7400 | 4 / 4 | 3.0G / 3.5G | 6 MB | DDR4-2400 | HD 630 |
| Core i5-7500 | 4 / 4 | 3.4G / 3.8G | 6 MB | DDR4-2400 | HD 630 |
| Core i5-7600 | 4 / 4 | 3.5G / 4.1G | 6 MB | DDR4-2400 | HD 630 |
| Core i7-7700 | 4 / 8 | 3.6G / 4.2G | 8 MB | DDR4-2400 | HD 630 |

**Memory**

32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, dual-channel capable
* System clocks down for the processors with lower memory controller

**Storage**

*Some:* Hard Drive / SATA 6.0Gb/s, 2.5", 5400 rpm or 7200 rpm
*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5"
*Some:* M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
*Some:* Intel Optane™ Memory Ready (models with 7th gen Core processor), M.2

**Optical**

*Some:* DVD-ROM SATA 1.5Gb/s Drive, slim (9.5mm)
*Some:* DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.5mm)

**Media reader**

Optional 9-in-1 media card reader

**Graphics**

**Intel HD Graphics 510/530/610/630** in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™;
*Max resolution:* 4096x2304 (DP)@60Hz, 1920x1080 (Panel)@60Hz

**Display**

**21.5"** (546.1mm) **Full HD 1080p (1920x1080) TFT color**, MVA panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, support Low Blue Light Mode

**Multi-touch**

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

**Camera**

Optional 1080p camera, fixed focus, with dual microphone, LED indicator, physical switch on/offf

**Controls**

Physical buttons for Microphone mute, brightness up/down, and power on/off

**Chipset**

**Intel B250 Chipset**

**Rear ports**

Four USB 3.1 Gen1, ethernet (RJ-45), DisplayPort, optional serial (9-pin),

**Side ports**

Two USB 3.1 Gen1 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)

**M.2 card slot**

Two M.2 Card slots (one for WLAN, one for SSD/Optane)

**Audio support**

High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2), Dolby® Audio™ certified

**WLAN**[13]

*Some:* 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
*Some:* 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
*Some:* 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
*Some:* 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

**Bluetooth™**

*Some:* Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

**Ethernet**

Gigabit ethernet, Realtek RTL8111G, Wake on LAN®

**Manageability**

None

**Security chip**

TPM (Trusted Platform Module) 2.0, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

**Security features**

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Smart USB protection, allows keyboard/ mouse only, blocks all storage devices
- Optional cable lock to physically lock keyboard and mouse
- Power-on, admin, hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Optional Chassis intrusion switch

**Keyboard**

*Some:* Lenovo Calliope Keyboard (USB connector), black
*Some:* Lenovo Traditional Keyboard (USB connector), black
*Some:* Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

**Mouse**

*Some:* Lenovo Calliope Mouse (USB connector), black
*Some:* Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black

**Mechanical**

- Business black color
- Toolless stand
- Support VESA mount (100mm)

| | Dimensions (WxDxH) | Max weight (lb / kg) | Adjustments |
|---|---|---|---|
| Without stand: | 21.1 X 1.8 X 14.3 (inch); 535 X 45 X 363 (mm) | (Touch) 14.6 / 6.6 (Non-touch) 12.8 / 5.8 | N/A |
| With Basic Monitor stand: | 21.1 X 9.6 X 17.0 (inch); 535 X 245 X 431 (mm) | (Non-touch) 17.0 / 7.7 | Tilt: 45° back, -5° forward |
| With UltraFlex II stand: | 21.1X 10.0 X 19.3 (inch); 535 X 253 X 489 (mm) | (Touch) 20.3 / 9.2 (Non-touch) 18.3 / 8.3 | Tilt: 61° back, -5° forward; Lift: 110mm; Swivel: +/-45° |

**Power supply**

150 watts, autosensing, 85% PSU

**Limited warranty**[3]

*Some:* **1-year or 3-year, depot repair service** / service upgrades available
*Some:* **1-year** or **3-year**, **limited onsite service** / service upgrades available

**Preload**

**Preloaded operating system**

*Some:* Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit
*Some:* Windows 10 Pro 64-bit
*Some:* Windows 10 Home 64-bit

**Preloaded applications (only some listed)**

- Microsoft Office preloaded; purchase a product key to activate
- Cyberlink PowerDVD Create (DVD±RW)

- Only for Window 10
- Lenovo Companion
- Lenovo ID
- Lenovo Settings
- Cyberlink PowerDVD (DVD, DVD±RW)

- Only for Window 7
- Lenovo Solution Center
- Lenovo ThinkVantage Tools
- ThinkVantage System Update
- Create Recovery Media
- Adobe® Reader®

**Environment**

EPEAT™ Gold rating (North America); ENERGY STAR® 6.1; TCO AIO Computer Certified; ErP Lot 3; GREENGUARD® certified; RoHS-compliant

**MIL-SPEC test**

MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)

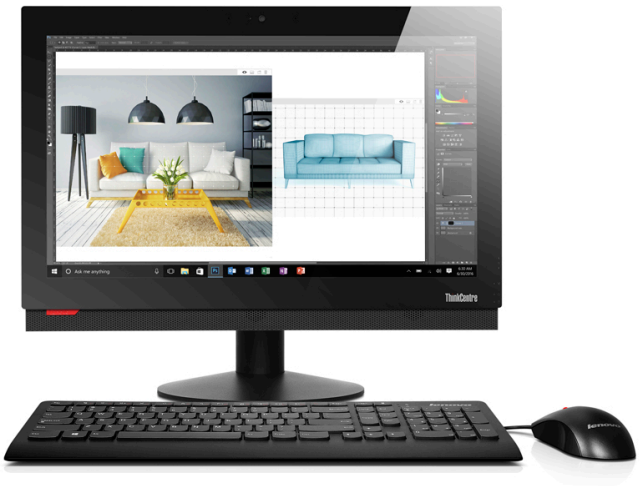
**Accessories**

For compatible accessories, please go to **http://www.lenovoquickpick.com**

See footnotes for more detailed information

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| Model | 10NY0000++ |
| --- | --- |
| Product | ThinkCentre M810z |
| Region | EMEA |
| Machine Type | 10NY |
| TopSeller | TopSeller |
| Processor | Core i5-7400 (4C, 3.0 / 3.5GHz, 6MB) |
| Graphics | Integrated Intel HD Graphics 630 |
| Monitor Cable | None |
| Memory | 4GBx1 |
| Display | 21.5" FHD (1920x1080) WVA Anti-glare |
| Multi-touch | None |
| Power Supply | 150W 85% Adapter |
| Storage | 500GB 7200rpm 2.5" |
| Optical | DVD±RW |
| Media Reader | 9-in-1 |
| USB Type-C | None |
| WLAN + Bluetooth | Intel 8265 ac, 2x2 + BT4.1 |
| Optional Rear Ports | None |
| Camera | 1080p |
| Chassis Intrusion Switch | Chassis Intrusion Switch |
| Cable Lock | None |
| Keyboard / Mouse | USB / USB |
| Stand | Basic Monitor Stand |
| Operating System | Windows 10 Pro 64 |
| Warranty | 3-year, Onsite |
| Global | No |
| End of Support | Apr 7, 2023 |
| Ann Date (mm/yy) | 03/17 |


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