



# Rose Computers

Custom configured complete systems, upgrades, individual components, and on-site service available.

14789 Wingerton Road Waynesboro, PA 17268

Phone and Fax: (717) 762-7444

or Send Email to- [sam@rose-computers.com](mailto:sam@rose-computers.com)

On the Internet at <http://www.rose-computers.com>

Updated  
May 16, 2018

THE CHART BELOW IS A SUMMARY FOR ALL THE LENOVO TOWER UNITS ON THE FOLLOWING PAGES  
(includes mouse and keyboard, NO monitor included but we have many sizes as optional)

Some units below ships with Windows 10 Pro 64 bit, others come with Windows 7 Pro 64 bit which Microsoft supports through January of 2020 but is able to be upgraded to Windows 10 Pro

Our Part Number	CPU	Pass Mark Score (see below)	OS	Hard Drive	RAM	Tower / Unit Dimensions	Page #	Price
12625789	Intel Core i5 (7th Gen) 7400T / 2.4 GHz (3 GHz) (Quad-Core)	6449	Win 10 Pro 64-bit	500 GB	8 GB	<u>Tiny Desktop</u> 7 in x 7.2 in x 1.4 in	2	\$689*
12625790	Intel Core i5 (6th Gen) 6500T / 2.5 GHz (3.1 GHz) (Quad-Core)	6212	Win7 Pro downgraded from Windows 10 Pro 64 bit	128 GB SSD	8 GB	<u>Tiny Desktop</u> 7 in x 7.2 in x 1.4 in	5	\$767*
12625905	Intel Core i5 (7th Gen) 7400 / 3 GHz (3.5 GHz) (Quad-Core)	7,414	Win 10 Pro 64-bit	1 TB	8 GB	<u>Tower</u> 5.7 in x 11.5 in x 14.4 in	8	\$719*
12625829	Intel Core i5 (6 <sup>th</sup> Gen) 6500 3.2 GHz Quad-Core )	7,228	Win7 Pro downgraded from Windows 10 Pro 64 bit	1 TB	8 GB	<u>Tower</u> 5.7 in x 11.5 in x 14.4 in	11	\$787*

\* = includes 3 years on-site warranty from Lenovo

### MICROSOFT OFFICE 2016 OPTIONS INCLUDE

<b>OFFICE HOME &amp; STUDENT 2016 PRODUCT KEY CARD (NO MEDIA):</b> Includes 2016 versions of Word, Excel, PowerPoint and <b>(for NON Business use)</b> <b>\$139.99</b>	<b>OFFICE 2016 HOME AND BUSINESS PRODUCT KEY CARD (NO MEDIA):</b> Includes 2016 versions of Word, Excel, PowerPoint, OneNote and Outlook <b>\$219.99</b>	<b>OFFICE 2016 PROFESSIONAL PRODUCT KEY CARD (NO MEDIA):</b> Includes 2016 versions of Word, Excel, PowerPoint, OneNote, Outlook, Publisher and Access. <b>\$399.99</b>
---	---	--

\*Passmark.com does "benchmark testing" to make it easier to compare the power of all the various processors available in the market today. With cryptic, meaningless names and varying operating frequencies as well as the number of processor cores it can be difficult to know which CPU is the best value. The Passmark scores for all the systems we sell are shown to make it easier for our clients to compare the units we have to offer and see how the performance stacks up from one to another. You can look up your current CPU at [http://www.cpubenchmark.net/cpu\\_list.php](http://www.cpubenchmark.net/cpu_list.php) to compare your CPU against our new ones



Lenovo ThinkCentre M710q 10MR - Tiny desktop - 1 x Core i5 7400T / 2.4 GHz - RAM 8 GB - HDD 500 GB - HD Graphics 630 - GigE - WLAN: Bluetooth 4.0, 802.11a/b/g/n/ac - Win 10 Pro 64-bit - monitor: none – TopSeller  
Our P/N 12625789

YOUR PRICE: \$689.00

PASSMARK SCORE:  
6583

---

### **Main Specifications**

Product Description	Lenovo ThinkCentre M710q - Core i5 7400T 2.4 GHz - 8 GB - 500 GB
Type	Personal computer - tiny desktop
Localization	English / United States
Processor	1 x Intel Core i5 (7th Gen) 7400T / 2.4 GHz (3 GHz) (Quad-Core)
Processor Main Features	Intel Turbo Boost Technology 2
Cache Memory	6 MB
Cache Per Processor	6 MB
RAM	8 GB (installed) / 32 GB (max) - DDR4 SDRAM - non-ECC
Storage Controller	SATA (SATA 6Gb/s)
Hard Drive	1 x 500 GB - SATA 6Gb/s
Graphics Controller	Intel HD Graphics 630
Networking	GigE, 802.11b, 802.11a, 802.11g, 802.11n, Bluetooth 4.0, 802.11ac
Power	AC 120/230 V (50/60 Hz)
<b>OS Provided</b>	<b>Windows 10 Pro 64-bit Edition</b>
Dimensions (WxDxH)	7 in x 7.2 in x 1.4 in
Weight	2.91 lbs
Manufacturer Selling Program	TopSeller
Environmental Standards	ENERGY STAR Qualified
<b>Manufacturer Warranty</b>	<b>3 years warranty - on-site</b>

### **Extended Specifications**

General	
Type	Personal computer
Product Form Factor	Tiny desktop
Built-in Devices	Speaker
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Color	Black
Localization	English / United States
Processor / Chipset	
CPU	Intel Core i5 (7th Gen) 7400T / 2.4 GHz
Max Turbo Speed	3 GHz

Number of Cores	Quad-Core
CPU Qty	1
Max CPU Qty	1
Processor Main Features	Intel Turbo Boost Technology 2
Chipset Type	Intel B250
Cache Memory	
Installed Size	6 MB
Cache Per Processor	6 MB
RAM	
Installed Size	8 GB / 32 GB (max)
Technology	DDR4 SDRAM - non-ECC
Effective Memory Speed	2400 MHz
Rated Memory Speed	2400 MHz
Form Factor	SO-DIMM 260-pin
Features	Dual channel memory architecture
Configuration Features	1 x 8 GB
Hard Drive	
Type	HDD
Capacity	1 x 500 GB
Interface Type	SATA 6Gb/s
Spindle Speed	7200 rpm
Storage Controller	
Type	1 x SATA
Controller Interface Type	SATA 6Gb/s
Channel Qty	1
Monitor	
Monitor Type None.	
Graphics Controller	
Graphics Processor	Intel HD Graphics 630
Video Interfaces	DisplayPort
Max Monitors Supported	3
Audio Output	
Compliant Standards	High Definition Audio
Input Device	
Type	Mouse, keyboard
Keyboard	
Interface	USB
Mouse	
Mouse Name	Lenovo Calliope Mouse
Interface	USB
Networking	
Ethernet Controller	Intel I219-V

Wireless LAN Supported Yes

Wireless NIC Intel Dual Band Wireless-AC 3165

Data Link Protocol Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, Bluetooth 4.0, IEEE 802.11ac

Features Wake on LAN (WoL)

Expansion / Connectivity

Bays 1 (total) / 0 (free) x internal 2.5"

Slots 2 (total) / 1 (free) x SO-DIMM 260-pin ; 1 (total) / 0 (free) x CPU

Interfaces 6 x USB 3.1 Gen 1 (2 front, 4 rear) (one of them is Always On and fast-charging) ; 1 x microphone (1 in front) ; 1 x headphones/microphone (1 in front) ; 1 x LAN (Gigabit Ethernet) ; 3 x DisplayPort

Miscellaneous

Included Accessories Vertical stand

Theft/Intrusion Protection Security lock slot (cable lock sold separately), chassis intrusion switch

Compliant Standards RoHS, GREENGUARD, Energy-Related Products (ErP) Lot 3

Manufacturer Selling Program TopSeller

Power

Device Type Power adapter

Nominal Voltage AC 120/230 V (50/60 Hz)

Power Provided 65 Watt

Efficiency 88%

Operating System / Software

**OS Provided Windows 10 Pro 64-bit Edition**

Software Lenovo Companion, Lenovo ID

Environmental Standards

ENERGY STAR Certified Yes

ENERGY STAR Version 6.1

Manufacturer Warranty

**Service & Support Limited warranty - 3 years - on-site**

---



Lenovo ThinkCentre M710q 10MR - Tiny desktop - 1 x Core i5 6500T / 2.5 GHz - RAM 8 GB - SSD 128 GB - NVM Express (NVMe) - HD Graphics 530 - GigE - WLAN: 802.11a/b/g/n/ac, Bluetooth 4.1 - Win 7 Pro 64-bit (includes Win 10 Pro 64-bit License)  
Our P/N 12625790

YOUR PRICE: \$767.00

PASSMARK SCORE:  
6212

---

### **Main Specifications**

Product Description	Lenovo ThinkCentre M710q - Core i5 6500T 2.5 GHz - 8 GB - 128 GB
Type	Personal computer - tiny desktop
Localization	English / United States
Processor	1 x Intel Core i5 (6th Gen) 6500T / 2.5 GHz (3.1 GHz) (Quad-Core)
Processor Main Features	Intel Turbo Boost Technology 2
Cache Memory	6 MB
Cache Per Processor	6 MB
RAM	8 GB (installed) / 32 GB (max) - DDR4 SDRAM - non-ECC
Storage Controller	SATA (SATA 6Gb/s)
Hard Drive	1 x SSD 128 GB - PCI Express 3.0 x4 - M.2 2280 - NVM Express (NVMe)
Graphics Controller	Intel HD Graphics 530
Networking	GigE, 802.11b, 802.11a, 802.11g, 802.11n, 802.11ac, Bluetooth 4.1
Power	AC 120/230 V (50/60 Hz)
<b>OS Provided</b>	<b>Microsoft Windows 7 Professional 64-bit Edition (downgrade from Windows 10 Pro 64-bit) + Windows 10 Pro 64-bit License</b>
Dimensions (WxDxH)	7 in x 7.2 in x 1.4 in
Weight	2.91 lbs
Manufacturer Selling Program	TopSeller
Environmental Standards	ENERGY STAR Qualified
<b>Manufacturer Warranty</b>	<b>3 years warranty - on-site</b>

### **Extended Specifications**

General	
Type	Personal computer
Product Form Factor	Tiny desktop
Built-in Devices	Speaker
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip

Color Black  
Localization English / United States  
Processor / Chipset  
CPU Intel Core i5 (6th Gen) 6500T / 2.5 GHz  
Max Turbo Speed 3.1 GHz  
Number of Cores Quad-Core  
CPU Qty 1  
Max CPU Qty 1  
Processor Main Features Intel Turbo Boost Technology 2  
Chipset Type Intel B250  
Cache Memory  
Installed Size 6 MB  
Cache Per Processor 6 MB  
RAM  
Installed Size 8 GB / 32 GB (max)  
Technology DDR4 SDRAM - non-ECC  
Effective Memory Speed 2133 MHz  
Rated Memory Speed 2400 MHz  
Form Factor SO-DIMM 260-pin  
Features Dual channel memory architecture  
Configuration Features 1 x 8 GB  
Hard Drive  
Type SSD - M.2 2280  
Capacity 1 x 128 GB  
Interface Type PCI Express 3.0 x4  
Features NVM Express (NVMe)  
Storage Controller  
Type 1 x SATA  
Controller Interface Type SATA 6Gb/s  
Channel Qty 1  
Monitor  
Monitor Type None.  
Graphics Controller  
Graphics Processor Intel HD Graphics 530  
Video Interfaces DisplayPort  
Max Monitors Supported 3  
Audio Output  
Compliant Standards High Definition Audio  
Input Device  
Type Mouse, keyboard  
Keyboard  
Interface USB  
Mouse

Mouse Name Lenovo Calliope Mouse

Interface USB

Networking

Ethernet Controller Intel I219-V

Wireless LAN Supported Yes

Wireless NIC Intel Dual Band Wireless-AC 8265

Data Link Protocol Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, Bluetooth 4.1

Features Wake on LAN (WoL)

Expansion / Connectivity

Bays 1 (total) / 1 (free) x internal 2.5"

Slots 2 (total) / 1 (free) x SO-DIMM 260-pin ; 1 (total) / 0 (free) x CPU

6 x USB 3.1 Gen 1 (2 front, 4 rear) (one of them is Always On and fast-charging) ; 1 x

Interfaces microphone (1 in front) ; 1 x headphones/microphone (1 in front) ; 1 x LAN (Gigabit Ethernet) ; 3 x DisplayPort

Miscellaneous

Included Accessories Vertical stand

Theft/Intrusion Protection Security lock slot (cable lock sold separately), chassis intrusion switch

Compliant Standards RoHS, GREENGUARD, Energy-Related Products (ErP) Lot 3

Manufacturer Selling Program TopSeller

Power

Device Type Power adapter

Nominal Voltage AC 120/230 V (50/60 Hz)

Power Provided 65 Watt

Efficiency 88%

Operating System / Software

OS Provided Microsoft Windows 7 Professional 64-bit Edition (available through downgrade rights from Windows 10 Pro 64-bit) + Windows 10 Pro 64-bit License

Environmental Standards

ENERGY STAR Certified Yes

ENERGY STAR Version 6.1

Manufacturer Warranty

Service & Support Limited warranty - 3 years - on-site

Dimensions & Weight

Width 7 in

Depth 7.2 in

Height 1.4 in

Weight 2.91 lbs





Lenovo ThinkCentre M710t 10M9 -  
Tower - 1 x Core i5 7400 / 3 GHz - RAM  
8 GB - HDD 1 TB - DVD-Writer - HD  
Graphics 630 - GigE - Win 10 Pro 64-bit -  
monitor: none – TopSeller  
Our P/N 12625905

YOUR PRICE: \$719.00

PASSMARK SCORE:  
7414

---

### **Main Specifications**

Product Description	Lenovo ThinkCentre M710t - Core i5 7400 3 GHz - 8 GB - 1 TB
Type	Personal computer - tower
Localization	English / United States
Processor	1 x Intel Core i5 (7th Gen) 7400 / 3 GHz (3.5 GHz) (Quad-Core)
Processor Main Features	Intel Turbo Boost Technology 2
Cache Memory	6 MB
Cache Per Processor	6 MB
RAM	8 GB (installed) / 64 GB (max) - DDR4 SDRAM - non-ECC
Storage Controller	SATA (SATA 6Gb/s)
Hard Drive	1 x 1 TB - SATA 6Gb/s
Optical Storage	DVD-Writer
Graphics Controller	Intel HD Graphics 630
Networking	GigE
Power	AC 120/230 V (50/60 Hz)
<b>OS Provided</b>	<b>Windows 10 Pro 64-bit Edition</b>
Dimensions (WxDxH)	5.7 in x 11.5 in x 14.4 in
Weight	14.33 lbs
Manufacturer Selling Program	TopSeller
Environmental Standards	ENERGY STAR Qualified
<b>Manufacturer Warranty</b>	<b>3 years warranty - on-site</b>

### **Extended Specifications**

General	
Type	Personal computer
Product Form Factor	Tower
Built-in Devices	Speaker
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Color	Black
Localization	English / United States



## Processor / Chipset

CPU Intel Core i5 (7th Gen) 7400 / 3 GHz  
Max Turbo Speed 3.5 GHz  
Number of Cores Quad-Core  
CPU Qty 1  
Max CPU Qty 1  
Processor Main Features Intel Turbo Boost Technology 2  
Chipset Type Intel B250

## Cache Memory

Installed Size 6 MB  
Cache Per Processor 6 MB

## RAM

Installed Size 8 GB / 64 GB (max)  
Technology DDR4 SDRAM - non-ECC  
Effective Memory Speed 2400 MHz  
Rated Memory Speed 2400 MHz  
Form Factor DIMM 288-pin  
Features Unbuffered, dual channel memory architecture  
Configuration Features 1 x 8 GB

## Hard Drive

Type HDD  
Capacity 1 x 1 TB  
Interface Type SATA 6Gb/s  
Spindle Speed 7200 rpm

## Storage Controller

Type 1 x SATA  
Controller Interface Type SATA 6Gb/s  
Channel Qty 3

## Optical Storage

Type DVD-Writer - SATA

## Monitor

Monitor Type None.

## Graphics Controller

Graphics Processor Intel HD Graphics 630  
Video Interfaces VGA, DisplayPort  
Max Monitors Supported 3

## Audio Output

Compliant Standards High Definition Audio

## Input Device

Type Mouse, keyboard

## Keyboard

Interface USB

## Mouse

Interface USB

Networking

Ethernet Controller Realtek RTL8111GN

Data Link Protocol Ethernet, Fast Ethernet, Gigabit Ethernet

Features Wake on LAN (WoL)

Expansion / Connectivity

Bays 1 (total) / 0 (free) x external 5.25" Slim Line ; 2 (total) / 1 (free) x internal 3.5" x 1/3H  
4 (total) / 3 (free) x DIMM 288-pin ; 1 (total) / 0 (free) x CPU ; 1 (total) / 1 (free) x PCIe 3.0  
Slots x16 - half-length, full-height ; 2 (total) / 2 (free) x PCIe 2.0 x1 - half-length, full-height ; 2  
(total) / 2 (free) x M.2 Card  
6 x USB 3.1 Gen 1 (4 front, 2 rear) ; 2 x microphone (1 front, 1 rear) ; 1 x headphones (1  
Interfaces in front) ; 2 x USB 2.0 ; 1 x serial ; 1 x LAN (Gigabit Ethernet) ; 1 x VGA ; 2 x DisplayPort ;  
1 x PS/2 keyboard ; 1 x PS/2 mouse ; 1 x audio line-in ; 1 x audio line-out

Miscellaneous

Theft/Intrusion Protection Security lock slot (cable lock sold separately), padlock loop

Compliant Standards RoHS, GREENGUARD, Energy-Related Products (ErP) Lot 3

Manufacturer Selling Program TopSeller

Power

Device Type Power supply

Nominal Voltage AC 120/230 V (50/60 Hz)

Power Provided 210 Watt

Efficiency 85%

Operating System / Software

OS Provided Windows 10 Pro 64-bit Edition

Software Cyberlink PowerDVD, Lenovo Companion, PowerDVD Create, Lenovo ID

Environmental Standards

ENERGY STAR Certified Yes

ENERGY STAR Version 6.1

Manufacturer Warranty

Service & Support Limited warranty - 3 years - on-site

Dimensions & Weight

Width 5.7 in

Depth 11.5 in

Height 14.4 in

Weight 14.33 lbs



Lenovo ThinkCentre M710t 10M9 -  
Tower - 1 x Core i5 6500 / 3.2 GHz -  
RAM 8 GB - HDD 1 TB - DVD-Writer -  
HD Graphics 530 - GigE - Win 7 Pro 64-  
bit (includes Win 10 Pro 64-bit License) -  
monitor: none - TopSeller  
Our P/N 12625789

YOUR PRICE: \$787.00

PASSMARK SCORE:  
7228

---

### **Main Specifications**

Product Description	Lenovo ThinkCentre M710t - Core i5 6500 3.2 GHz - 8 GB - 1 TB
Type	Personal computer - tower
Localization	English / United States
Processor	1 x Intel Core i5 (6th Gen) 6500 / 3.2 GHz (3.6 GHz) (Quad-Core)
Processor Main Features	Intel Turbo Boost Technology 2
Cache Memory	6 MB
Cache Per Processor	6 MB
RAM	8 GB (installed) / 64 GB (max) - DDR4 SDRAM - non-ECC
Storage Controller	SATA (SATA 6Gb/s)
Hard Drive	1 x 1 TB - SATA 6Gb/s
Optical Storage	DVD-Writer
Graphics Controller	Intel HD Graphics 530
Networking	GigE
Power	AC 120/230 V (50/60 Hz)
<b>OS Provided</b>	<b>Microsoft Windows 7 Professional 64-bit Edition (downgrade from Windows 10 Pro 64-bit) + Windows 10 Pro 64-bit License</b>
Dimensions (WxDxH)	5.7 in x 11.5 in x 14.4 in
Weight	14.33 lbs
Manufacturer Selling Program	TopSeller
Environmental Standards	ENERGY STAR Qualified
<b>Manufacturer Warranty</b>	<b>3 years warranty - on-site</b>

### **Extended Specifications**

General	
Type	Personal computer
Product Form Factor	Tower
Built-in Devices	Speaker

Embedded Security Trusted Platform Module (TPM 2.0) Security Chip

Color Black

Localization English / United States

#### Processor / Chipset

CPU Intel Core i5 (6th Gen) 6500 / 3.2 GHz

Max Turbo Speed 3.6 GHz

Number of Cores Quad-Core

CPU Qty 1

Max CPU Qty 1

Processor Main Features Intel Turbo Boost Technology 2

Chipset Type Intel B250

#### Cache Memory

Installed Size 6 MB

Cache Per Processor 6 MB

#### RAM

Installed Size 8 GB / 64 GB (max)

Technology DDR4 SDRAM - non-ECC

Effective Memory Speed 2133 MHz

Rated Memory Speed 2400 MHz

Form Factor DIMM 288-pin

Features Unbuffered, dual channel memory architecture

Configuration Features 1 x 8 GB

#### Hard Drive

Type HDD

Capacity 1 x 1 TB

Interface Type SATA 6Gb/s

Spindle Speed 7200 rpm

#### Storage Controller

Type 1 x SATA

Controller Interface Type SATA 6Gb/s

Channel Qty 3

#### Optical Storage

Type DVD-Writer - SATA

#### Monitor

Monitor Type None.

#### Graphics Controller

Graphics Processor Intel HD Graphics 530

Video Interfaces VGA, DisplayPort

#### Audio Output

Compliant Standards High Definition Audio

#### Input Device

Type Mouse, keyboard

#### Keyboard

Interface USB

Mouse

Interface USB

Networking

Ethernet Controller Realtek RTL8111GN

Data Link Protocol Ethernet, Fast Ethernet, Gigabit Ethernet

Features Wake on LAN (WoL)

Expansion / Connectivity

Bays 1 (total) / 0 (free) x external 5.25" Slim Line | 2 (total) / 1 (free) x internal 3.5" x 1/3H

4 (total) / 3 (free) x DIMM 288-pin | 1 (total) / 0 (free) x CPU | 1 (total) / 1 (free) x PCIe 3.0

Slots x16 - half-length, full-height | 2 (total) / 2 (free) x PCIe 2.0 x1 - half-length, full-height | 2 (total) / 2 (free) x M.2 Card

6 x USB 3.1 Gen 1 (4 front, 2 rear) | 2 x microphone (1 front, 1 rear) | 1 x headphones (1 in front) | 2 x USB 2.0 | 1 x serial | 1 x LAN (Gigabit Ethernet) | 1 x VGA | 2 x DisplayPort | 1 x PS/2 keyboard | 1 x PS/2 mouse | 1 x audio line-in | 1 x audio line-out

Miscellaneous

Theft/Intrusion Protection Security lock slot (cable lock sold separately), padlock loop

Compliant Standards RoHS, GREENGUARD, Energy-Related Products (ErP) Lot 3

Manufacturer Selling Program TopSeller

Power

Device Type Power supply

Nominal Voltage AC 120/230 V (50/60 Hz)

Power Provided 210 Watt

Efficiency 85%

Operating System / Software

**OS Provided Microsoft Windows 7 Professional 64-bit Edition (available through downgrade rights from Windows 10 Pro 64-bit) + Windows 10 Pro 64-bit License**

Software Adobe Reader, ThinkVantage Tools, Lenovo Solution Center, PowerDVD Create

Environmental Standards

ENERGY STAR Certified Yes

ENERGY STAR Version 6.1

Manufacturer Warranty

**Service & Support Limited warranty - 3 years - on-site**

Dimensions & Weight

Width 5.7 in

Depth 11.5 in

Height 14.4 in

Weight 14.33 lbs