

ThinkCentre M70a 11CK002VUS

Product

ThinkCentre M70a

Region

NA

Country/Region

USA

Machine Type

11CK

TopSeller

TopSeller

Processor

Intel Core i5-10400 (6C / 12T, 2.9 / 4.3GHz, 12MB)

Chipset

Intel H470 Chipset

Graphics

Integrated Intel UHD Graphics 630

Memory

1x 16GB DDR4-2666

Storage

1x 512GB SSD M.2 2280 PCIe NVMe 3.0x4 Opal

Optane Memory

None

Optical

DVD±RW

Media Reader

3-in-1 Card Reader

Display

21.5" FHD (1920x1080) In-Plane Switching Technology Anti-glare

Touchscreen

10-point Multi-touch

Microphone

2x, Array

Camera

1080p

Speaker

2Wx2

Ethernet

Integrated 100/1000M

WLAN + Bluetooth

Intel 9560 11ac, 2x2 + BT5.0

Optional Rear Ports

None

Chassis Intrusion Switch

None

Chassis E-Lock

None

Kensington Cable Lock

None

Dust Filter

None

VESA Mount

VESA mount

Carry Handle

None

Color

Black

Stand

UltraFlex IV Stand

Keyboard

USB Traditional Keyboard, Black, English

Mouse

USB Calliope Mouse

Power Supply

135W 89% Adapter

TUV Low Noise

None

Monitor Cable

None

System Management

None

Operating System

Windows 10 Pro 64, English

Bundled Software

None

Base Warranty

3-year, Onsite

Bundled Service

None

EAN / UPC / JAN

195042197006

End of Support

2026-12-29

Announce Date

2020-05-26

Recommended Services**Best**

4Y Lenovo Protect (Premier Support + Keep Your Drive + Accidental Damage Protection) (5PS0N73191)

Better

4Y Lenovo Support (Premier Support + Keep Your Drive) (5PS0N73243)

Good

3Y Premier Support Upgrade from 3Y Onsite (5WS0U26648)

Notes:**California Electronic Waste Recycling Fee**

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>

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Lenovo™

ThinkCentre M70a Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 10th Gen Intel Core™ i3 / i5 / i7 / i9 Processor						Bluetooth™ Ethernet Manageability Security chip Security features Keyboard Mouse Mechanical	Some: 11ax wireless, M.2 Card, Intel Wi-Fi 6 AX201 (dual band), Wi-Fi + Bluetooth 5.1 combo adapter, 2x2 (Available on 2020/9/29) Some: Bluetooth 5.0/5.1 wireless, integrated in Wi-Fi + BT combo adapter Gigabit ethernet, Realtek RTL8111K, Wake on LAN® None Discrete TPM 2.0, TCG Certified ● Security slot (for Kensington® lock) ● Boot without keyboard and mouse ● Optional Chassis intrusion switch ● Individual USB port disablement ● Power-on, admin, hard disk password ● Smart USB protection, allows keyboard/mouse only, blocks all storage devices ● Boot sequence control Some: Lenovo Calliope Keyboard (USB connector), black Some: Lenovo Traditional Keyboard (USB connector), black Some: Lenovo Calliope Mouse (USB connector), black Some: Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black ● Business black color ● Toolless back cover, stand removal ● Support VESA mount (100mm)
	Processor	Cores / Threads	Frequency Base/Max*(GHz)	Cache	Memory Support (Up to)	Integrated Graphics		
	Celeron G5900	2 / 2	3.4G	2 MB	DDR4-2666	UHD 610		
	Celeron G5920	2 / 2	3.5G	2 MB	DDR4-2666	UHD 610		
	Pentium Gold G6400	2 / 4	4.0G	4 MB	DDR4-2666	UHD 610		
	Pentium Gold G6500	2 / 4	4.1G	4 MB	DDR4-2666	UHD 630		
	Pentium Gold G6600	2 / 4	4.2G	4 MB	DDR4-2666	UHD 630		
	Core i3-10100	4 / 8	3.6G / 4.3G	6 MB	DDR4-2666	UHD 630		
	Core i3-10300	4 / 8	3.7G / 4.4G	8 MB	DDR4-2666	UHD 630		
	Core i3-10320	4 / 8	3.8G / 4.6G	8 MB	DDR4-2666	UHD 630		
	Core i5-10400	6 / 12	2.9G / 4.3G	12 MB	DDR4-2666	UHD 630		
	Core i5-10500	6 / 12	3.1G / 4.5G	12 MB	DDR4-2666	UHD 630		
	Core i5-10600	6 / 12	3.3G / 4.8G	12 MB	DDR4-2666	UHD 630		
	Core i7-10700	8 / 16	2.9G / 4.8G	16 MB	DDR4-2933	UHD 630		
	Core i9-10900	10 / 20	2.8G / 5.2G	20 MB	DDR4-2933	UHD 630		
Memory	64GB max (32GB SO-DIMM only available via special bid models), DDR4-3200*, two 260-pin SO-DIMM sockets, dual-channel capable * System automatically clocks down for the processors with lower memory controller						Without stand (with camera): Dimensions (WxDxH) w/ ODD: 19.3" x 2.3" x 11.7" / 490.14 x 57.8 x 297.75 (mm) w/o ODD: 19.3" x 1.8" x 11.7" / 490.14 x 46 x 297.75 (mm) Approx weight (lb / kg) w/ ODD: (Non-touch) 11.3 / 5.12 (Touch) 10.8 / 4.88 w/o ODD: (Non-touch) 10.7 / 4.86 (Touch) 10.2 / 4.62	
Storage	Support up to 1x 2.5" HDD and 1x M2.SSD, Some: Hard Drive / SATA 6.0Gb/s, 2.5" or 3.5", 7200 rpm Some: M.2 SSD (2242 / 2280) / PCIe NVMe, PCIe 3.0 x2 or PCIe 3.0 x4 Some: Intel Optane™ Memory M10, M.2 2280, PCIe 3.0 x2 Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm) Optional 3-in-1 media card reader						With Full Function Monitor stand (with camera): Dimensions (WxDxH) 19.3" x 7.9" x 15.2" to 18.3" / 490.14 x 199.82 x 386.05 to 466.04 (mm) Approx weight (lb / kg) w/ ODD: (Non-touch) 16.2 / 7.33 (Touch) 15.6 / 7.09 w/o ODD: (Non-touch) 15.6 / 7.07 (Touch) 15.1 / 6.83 Adjustments Tilt: 30° back, -5° forward; Lift: 80mm	
Optical	Intel HD Graphics 610/630 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™(up to 4096x2304@60Hz) Optional DP to VGA dongle, DP to DVI-D dongle, DP to 2 DP dongle (MST mode), or DP to HDMI 1.4 dongle 21.5" (546.1mm) Full HD 1080p (1920x1080), In-Plane Switching technology (may refer to IPS, PLS, ADS, AHVA, AAS), wide viewing angle (H/V 178°), LED back-light, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, borderless design (88% Screen to Body Ratio) Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology Some: 1080p camera with dual microphone, ThinkShutter (physical switch on/off) Some: RGBIR camera with dual microphone, support 1080p, ThinkShutter (physical switch on/off), support Windows Hello Physical buttons on side for microphone mute and power on/off						With UltraFlex IV stand (with camera): Dimensions (WxDxH) Lowest in flat mode: 19.3" x 11.3" x 7.8" / 490.17 x 288.17 x 197.04 (mm) Highest in vertical mode: 19.3" x 9.2" x 17.3" / 490.17 x 232.75 x 439.28 (mm) Approx weight (lb / kg) w/ ODD: (Non-touch) 17.4 / 7.88 (Touch) 16.9 / 7.65 w/o ODD: (Non-touch) 16.8 / 7.62 (Touch) 16.3 / 7.38 Adjustments Tilt: 70° back, -5° forward; Lift: up to 115mm (vertical mode) / 164mm (flat mode) Note: Camera adds 14.5mm in height (Vertical mode)	
Media reader							Power supply	
Graphics							Some: 135 watts adapter, autosensing, 89% PSU Some: 170 watts adapter, autosensing, 89% PSU	
Monitor Cable	Optional DP to VGA dongle, DP to DVI-D dongle, DP to 2 DP dongle (MST mode), or DP to HDMI 1.4 dongle 21.5" (546.1mm) Full HD 1080p (1920x1080), In-Plane Switching technology (may refer to IPS, PLS, ADS, AHVA, AAS), wide viewing angle (H/V 178°), LED back-light, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, borderless design (88% Screen to Body Ratio) Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology Some: 1080p camera with dual microphone, ThinkShutter (physical switch on/off) Some: RGBIR camera with dual microphone, support 1080p, ThinkShutter (physical switch on/off), support Windows Hello Physical buttons on side for microphone mute and power on/off						Limited warranty ³ Some: 1-year, depot repair service / service upgrades available Some: 1-year or 3-year, limited onsite service / service upgrades available	
Display							Preload	
Multi-touch							Some: Windows® 10 Pro 64-bit Some: Windows 10 Home 64-bit Some: Windows 10 IoT Enterprise (only available via special bid model)	
Camera	Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology Some: 1080p camera with dual microphone, ThinkShutter (physical switch on/off) Some: RGBIR camera with dual microphone, support 1080p, ThinkShutter (physical switch on/off), support Windows Hello Physical buttons on side for microphone mute and power on/off						Environment	
Controls							ENERGY STAR® 8.0*, EPEAT™ Silver rating*, ErP Lot 3, TCO 8.0, TCO Edge (coming soon), TUV Eye comfort certified (for Full Function Monitor Stand only), TUV Low Blue Light certified, TUV Ultra Low Noise certified (on some models), RoHS-compliant * Only available for MT 11CK/11CL	
Chipset							MIL-SPEC test	
Rear ports*	Intel H470 Chipset						Accessories	
Side ports*	4x USB 3.2 Gen 1 (one supports Smart Power On), 1x ethernet (RJ-45), 1x DisplayPort, 1x optional serial (9-pin)						For compatible accessories, please go to http://smartfind.lenovo.com	
M.2 card slot	1x USB 3.2 Gen 2, 1x USB 3.2 Gen 1, 1x USB 3.2 Type-C Gen 1(5V/3A charging), 1x optional card reader, 1x headphone / microphone combo jack (3.5mm)							
Audio support	Two M.2 Card slots (one for WLAN, one for SSD/Optane) * Depending on many factors, actual data speed may be lower than theoretical speed							
WLAN	High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2), Dolby® Atmos® certified							
	Some: 11ac wireless, M.2 Card, Realtek RTL8822CE (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Wireless-AC 9462 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 1x1 (special bid only) Some: 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 2x2							

Note: The specifications above may not be available in all regions.

Lenovo, June 2020

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