

# ThinkCentre M70a 11CK003ACK

**Product**  
ThinkCentre M70a

**Region**  
EET

**Country/Region**  
Czech, Slovakia

**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**  
2x 4GB DDR4-2666

**Storage**  
1x 256GB 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) IPS Technology Anti-glare, touch

**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 Calliope Keyboard, Black, Czech / Slovak

**Mouse**  
USB Calliope Mouse

**Power Supply**  
135W 89% Adapter

**Additional Certificates**  
None

**Monitor Cable**  
None

**System Management**  
None

**Operating System**  
Windows 10 Pro 64, Czech / Slovakian / English

**Bundled Software**  
None

**Base Warranty**  
3-year, Onsite

**Bundled Service**  
None

**EAN / UPC / JAN**  
0195042945331

**End of Support**  
2026-12-29

**Announce Date**  
2020-05-26

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**PSREF** <https://psref.lenovo.com>

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## ThinkCentre M70a Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron®, Intel Pentium®, or 10th Gen Intel Core™ i3 / i5 / i7 / i9 Processor					
	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
Bluetooth™ Ethernet	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*					
Manageability Security chip	None Discrete TPM 2.0, TCG Certified					
Security features	<ul style="list-style-type: none"> <li>Security slot (for Kensington® lock)</li> <li>Optional Chassis intrusion switch</li> <li>Power-on, admin, hard disk password</li> <li>Boot sequence control</li> <li>Boot without keyboard and mouse</li> <li>Individual USB port disablement</li> <li>Smart USB protection, allows keyboard/mouse only, blocks all storage devices</li> </ul>					
Keyboard	Some: Lenovo Calliope Keyboard (USB connector), black Some: Lenovo Traditional Keyboard (USB connector), black					
Mouse	Some: Lenovo Calliope Mouse (USB connector), black Some: Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black					
Mechanical	<ul style="list-style-type: none"> <li>Business black color</li> <li>Toolless back cover, stand removal</li> <li>Support VESA mount (100mm)</li> </ul>					
Memory	64GB max (32GB SO-DIMM only available via special bid models), DDR4-2666 / DDR4-2933*, two 260-pin SO-DIMM sockets, dual-channel capable * Memory module is DDR4-3200, but clocks down for the limitation of processors					
Storage	Support up to 1x 2.5" HDD and 1x M.2 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					
Optical	Some: DVD-ROM SATA 1.5Gb/s Drive, slim (9.0mm) Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)					
Media reader	Optional 3-in-1 media card reader					
Graphics	Intel HD Graphics 610/630 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™ (up to 4096x2304@60Hz)					
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					
Display	21.5" (546.1mm) Full HD 1080p (1920x1080), IPS (In Plane Switching) technology (IPS may refer to IPS, PLS, ADS, AHVA, AAS), wide viewing angle (H/V 178°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, borderless design (88% Screen to Body Ratio)					
Multi-touch	Optional multi-touch, supports 10-point, AIT (Advanced In-cell Touch) technology					
Camera	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					
Controls	Physical buttons on side for microphone mute and power on/off					
Chipset	Intel H470 Chipset					
Rear ports*	4x USB 3.2 Gen 1 (one supports Smart Power On), 1x ethernet (RJ-45), 1x DisplayPort, 1x optional serial (9-pin)					
Side ports*	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)					
M.2 card slot	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					
Audio support	High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2), Dolby® Atmos® certified					
WLAN	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					
Dimensions (WxDxH)	Without stand (with camera): 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					
Dimensions (WxDxH)	With Full Function Monitor stand (with camera): 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					
Dimensions (WxDxH)	With UltraFlex IV stand (with camera): 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)					
Power supply	Some: 135 watts adapter, autosensing, 89% PSU Some: 170 watts adapter, autosensing, 89% PSU					
Limited warranty <sup>3</sup>	Some: 1-year, depot repair service / service upgrades available Some: 1-year or 3-year, limited onsite service / service upgrades available					
Preload	Some: Windows® 10 Pro 64-bit Some: Windows 10 Home 64-bit Some: Windows 10 IoT Enterprise (only available via special bid model)					
Environment	ENERGY STAR® 8.0*, EPEAT™ Silver rating*, ErP Lot 3, TCO 8.0, TCO Edge, TÜV Eye comfort certified (for Full Function Monitor Stand only), TÜV Low Blue Light certified, TÜV Ultra Low Noise certified (on some models), RoHS-compliant * Only available for MT 11CK/11CL					
MIL-SPEC test	MIL-STD-810H military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation)					
Accessories	For compatible accessories, please go to <a href="http://smartfind.lenovo.com">http://smartfind.lenovo.com</a>					

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

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