ThinkCentre M90n-1 Nano IoT 11AH0012US

Product

ThinkCentre M90n-1 Nano IoT

Region

NA

Country/Region

USA

Machine Type

11AH

TopSeller

TopSeller

Processor

Core i3-8145U (2C / 4T, 2.1 / 3.9GHz, 4MB)

Graphics

Integrated Intel UHD Graphics 620

Monitor Cable

1x Type-C to HDMI

Memory

4GB Soldered DDR4-2666

Storage

512GB SSD M.2 2280 PCIe x4 NVMe opal

Optical

None

WLAN + Bluetooth

Intel 9560 11ac, 2x2 + BT5.0

Ethernet

RTL8111K + RTL8111HN, 2x RJ45

Chassis Intrusion Switch

Chassis Intrusion Switch

Kensington Cable Lock

None

Adapter Cage

None

Speaker

1Wx1

Dust Filter

None

VESA Mount

None

Stand

None

Keyboard / Mouse

2.4G / 2.4G

Power Supply

65W 88% Adapter

TUV Low Noise

None

System Management

None

Operating System

Windows 10 Pro 64

Bundled Software

None

Base Warranty

3-year, Onsite

Upsell Service Bundles

None

End of Support

2025-09-20

Announce Date

2019-08-20

Recommended Services

Good

3Y Premier Support Upgrade from 3Y Onsite (5WS0V07841)

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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ThinkCentre M90n-1 Nano IoT Platform Specifications

Processor	Intel® Celeron® or 8th	Generati	on Intel Core™ i	3 Proce	ssor		Manageability	None Discrete TPM 2.0, TCG Certified • Security slot (in rear for optional • Boot sequence control	
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Security chip Security features		
	Celeron 4205U	2/2	1.8G	2 MB	DDR4-2133	UHD 610		Kensington® MicroSaver® cable) • Boot without keyboard and mouse	
	Core i3-8145U	2/4	2.1G / 3.9G	4 MB	DDR4-2400	UHD 620		 Chassis intrusion switch Power-on password Individual USB port disablement 	
Memory	4GB / DDR4-2666* / soldered to systemboard, no sockets, non-ECC * System automatically clocks down for the processors with lower memory controller							Administrator password Hard disk password	
Storage	Support up to two M.2 SSD Some: M.2 2280 SSD / PCle NVMe, PCle 3.0 x 4* Some: M.2 2242 SSD / PCle NVMe, PCle 3.0 x 2 Some: Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCle NVMe 3.0 x 4 (not support Celeron) * M.2 SSD / Optane with SSD in PCle 3.0 x 2 M.2 slot can only run at PCle 3.0 x2						Keyboard Mouse	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 Some: Lenovo Calliope Mouse (USB connector), black Some: Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black	
RAID Optical	RAID 0/1 support (RAID preset only available via special bid model) None						Mechanical	Nano (fanless 0.55L), black color; metal case	
Graphics	Intel UHD Graphics 610/620 in processor, uses main memory, DirectX® 12, one DisplayPort™, one USB 3.1 Type-C Gen2 with display function, up to 2 independent							Four M.2 slots: two for M.2 SSD (one PCle 3.0 x4 and one PCle 3.0 x2), one for WLAN, and one for WWAN	
	displays;					пасрепасті		Dimensions (WxDxH) Weight (Approx.)	
Monitor cable	Max resolution: 4096: Optional DP to VGA of	dongle, DI	P to HDMI dongle			, Type-C to		M90n-1 Nano IoT (fanless, 0.55L) 7.05" X 3.46" X 1.36" 1.58 lb (0.72 kg), vary by config	
Chipset	0 . 71	IDMI dongle, Type-C to DP dongle ntel SoC (System on Chip) platform					Mounting	Some: VESA mount bracket kit, supports VESA 75mm	
							_	Some: VESA mount bracket kit with adaper holder, supports VESA 75mm Some: DIN rail mount bracket kit	
Front ports (Std.)*2x USB 3.1 Gen2, 1x USB 3.1 Type-C Gen 2, one headphone / microphone combo jack (3.5mm), 2x serial						Floor Stand	None		
Rear ports (Std.)* With Celeron: 1x USB 2.0, 1x USB 3.1 Type-C Gen 2 (with display function, support						Power supply	Some: 65 watts AC/DC adapter, autosensing, 88% PSU		
	power-in [20V, > 45W]), 1x ethernet (RJ-45), 1x DisplayPort With Core i3: 1x USB 3.1 Gen2, 1x USB 3.1 Type-C Gen 2 (with display function, support power-in [20V, > 45W]), 2x ethernet (RJ-45), 1x DisplayPort * Depending on many factors, actual data transfer speed may be lower than theoretical speed					y function,		Some: 65 watts AC/DC adapter (wide temperature), autosensing, 88% PSU (or for Machine Type 11AS)	
						etical speed	Limited warranty	Some: 1-year, limited onsite service / service upgrades available	
Audio support	Realtek ALC233VB / internal speaker (1watt)						1	Some: 3-year, limited onsite service / service upgrades available	
WLAN	Some: 11ac wireless, M.2 Card, Realtek RTL8822CE (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 1x1 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						Preload	Preloaded operating system 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® 7.1, EPEAT™ Silver rating (North America), ErP Lot 3, TCO 8.0 TUV ultra low noise verified (on some models), RoHS, WEEE, REACH	
	WI-FI + Bluetooth 5.0 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band),						MIL-SPEC test	MIL-STD-810H (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Solar Radiation)	
							Accessories	For compatible accessories, please go to http://smartfind.lenovo.com	
Bluetooth Ethernet									
Note: The specifica	ations above may not be	available	in all regions.					Lenovo, July 20	





















