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

				_			l						
Processor	Intel® Celeron® or 8th Generation Intel Core™ i3 Processor						Manageability	None	TDMOOTO	C Cortifical			
	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics	Security chip Security features	Securi	TPM 2.0, TO	ar for ontional	Boot sequence	control	
	Celeron 4205U	2/2	1.8G	2 MB	DDR4-2133	UHD 610	1	Kensin	ngton® Micro∜	Saver® cable)	 Boot without ke 	eyboard and mouse	
	Core i3-8145U	2/4	2.1G / 3.9G	4 MB	DDR4-2400	UHD 620]		sis intrusion s		 Individual USB 	port disablement	
Memory	4GB / DDR4-2666* / soldered to systemboard, no sockets, non-ECC						1	 Power-on password Administrator password 					
	* System automaticall	ly clocks d				ory controlle		Hard disk password					
Storage	Support up to two M.2 SSD Some: M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4*						Keyboard	Some: L	Some: Lenovo Calliope Keyboard (USB connector), black				
	Some: M.2 2242 SSI							Some: Lenovo Traditional Keyboard (USB connector), black Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black					
	Some: Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4 (not support Celeron) * M.2 SSD / Optane with SSD in PCIe 3.0 x 2 M.2 slot can only run at PCIe 3.0 x2						Mouse	Some: L	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	RAID 0/1 support (RA	al bid model)	_	Mechanical		Nano (fanless 0.55L), black color; metal case							
Optical	None			iviculatilual	Four M.2	Four M.2 slots: two for M.2 SSD (one PCle 3.0 x4 and one PCle 3.0 x2), one for							
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 displays;								and one for V			**	
											ons (WxDxH)	Weight (Approx.)	
Monitor ook!-	Max resolution: 4096x2304 (DP) @ 60Hz; 4096x2304 (Type-C) @ 60Hz; Optional DP to VGA dongle, DP to HDMI dongle, Type-C to VGA dongle, Type-C to HDMI dongle, Type-C to DP dongle								1 Nano IoT		3.46" X 1.36"	1.58 lb (0.72 kg),	
Monitor cable									(fanless, 0.55L) 179mm X 88mm X 34.5mm vary by config				
Chipset	Intel SoC (System or			Mounting	Some: VESA mount bracket kit, supports VESA 75mm								
Front ports (Std.)* 2x USB 3.1 Gen2, 1x USB 3.1 Type-C Gen 2, one headphone / microphone combo						-		Some: VESA mount bracket kit with adaper holder, supports VESA 75mm Some: DIN rail mount bracket kit					
iack (3 5mm) 2v serial						Floor Stand	None						
Rear ports (Std.)*	Rear ports (Std.)* With Celeron: 1x USB 2.0, 1x USB 3.1 Type-C Gen 2 (with display function, support 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						Power supply				sensing, 88% PSU		
								Some: 65 watts AC/DC adapter (wide temperature), autosensing, 88% PSU (only for Machine Type 11AS)					
							Limited warranty	Some: 1-year, limited onsite service / service upgrades available					
Audio support	Realtek ALC233VB / internal speaker (1watt)						- Duala c d		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 Some: 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Wireless-AC 9560 (dual band), Wi-Fi + Bluetooth 5.0 combo adapter, Intel vPro technology support, 2x2 Some: Bluetooth 5.0 wireless, integrated in Wi-Fi + BT combo adapter With Celeron: Gigabit ethernet, Realtek RTL8111K, 1x RJ-45, Wake on LAN® With Core i3: Two gigabit ethernet, Realtek RTL8111K and RTL8111HN, 2x RJ-45						Preload		led operating Windows® 1				
								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 MIL-STD-810H (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Solar Radiation)					
							MIL-SPEC test						
									For compatible accessories, please go to http://smartfind.lenovo.com				
Bluetooth								50111					
Ethernet													
		gabit ethe on LAN®	пет, неапек КТ	Lo111K	anu KTL8111F	iin, ∠X HJ-45							
Note: The specifica	itions above may not be		n all regions									Lenovo, July 201	





















