

# ThinkPad X390 20Q0005VMC

**Product**

ThinkPad X390

**Region**

EET

**Country/Region**

Czech Republic

**Machine Type**

20Q0

**TopSeller**

TopSeller

**Processor**

Intel Core i5-8265U (4C / 8T, 1.6 / 3.9GHz, 6MB)

**Graphics**

Integrated Intel UHD Graphics 620

**Chipset**

Intel SoC Platform

**Memory**

8GB Soldered DDR4-2400

**Storage**

256GB SSD M.2 2280 PCIe NVMe Opal2

**Display**

13.3" FHD (1920x1080) IPS 400nits Anti-glare, ThinkPad Privacy Guard

**Touchscreen**

None

**Media Reader**

MicroSD Reader

**Ethernet**

100/1000M via Optional Adapter

**Optical**

None

**WLAN + Bluetooth**

Intel 9560 11ac, 2x2 + BT5.0

**WWAN**

Fibocom L830-EB

**SIM Card**

None

**Smart Card Reader**

Smart Card Reader

**Monitor Cable**

None

**Bundled Accessories**

None

**Case Material**

PPS (Top), Magnesium / Aluminum (Bottom)

**Camera**

720p + IR with ThinkShutter

**Microphone**

2x, Array

**Color**

Black

**Keyboard**

Backlit, Czech / Slovak

**Fingerprint Reader**

Touch Style, Match-on-Chip

**NFC**

None

**TPM**

Discrete TPM 2.0

**Battery**

Integrated 48Wh

**Power Adapter**

65W USB-C

**System Management**

None

**Operating System**

Windows 10 Pro 64, Czech / English

**Bundled Software**

None

**Base Warranty**

3-year, Depot

**Bundled Service**

3Y Onsite upgrade from 3Y Depot/CCI (5WS0A23006)

**EAN / UPC / JAN**

0194552611897

**End of Support**

2025-11-01

**Announce Date**

2019-10-01

**Notes:**

**Battery life** is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.

**L** [WWW.LENOVO.COM](http://WWW.LENOVO.COM)

Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area.

Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.



<https://psref.lenovo.com>

Visit psref website for the latest version of Product Specifications Reference.

© Lenovo, 2020. All rights reserved.



# ThinkPad X390 Platform Specifications

Product Specifications Reference (PSREF)



Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor								Dimensions	Models	FHD Non-touch	HD / FHD Multi-touch	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Carbon Fiber	311.9mm x 217.0mm x 16.5mm 12.28" x 8.54" x 0.65"	-	
Weight	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	PPS	312.0mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67"	312mm x 217.2mm x 16.9mm 12.28" x 8.55" x 0.67"		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB			Models	FHD Non-touch	HD	FHD Multi-touch	
i5-8365U	1.6 GHz			4.1 GHz	6MB	Carbon Fiber			2.70 lb / 1.22 kg	-	-		
i7-8565U	1.8 GHz			4.6 GHz	8MB	PPS			2.85 lb / 1.29 kg	2.93 lb / 1.33 kg	2.84 lb / 1.28 kg		
i7-8665U	1.9 GHz			4.8 GHz	8MB								
or 10th Generation Intel Core i5 / i7 Processor (NOT available in EMEA)									Case color	Black			
Graphics	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Case material	Display cover: Carbon Fiber (FHD non-touch only) or PPS; Bottom: Magnesium/Aluminum			
	i5-10210U	4	8	1.6 GHz	4.2 GHz	6MB	DDR4-2400	Intel UHD Graphics	Smart card reader	Optional: Smart card reader			
i7-10510U	4	8	1.8 GHz	4.9 GHz	8MB	Media reader			MicroSD card reader, in the combo slot with nano-SIM card				
i7-10710U	6	12	1.1 GHz	4.7 GHz	12MB	Ports			Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart card reader, side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>				
Chipset	Intel SoC (System on Chip) platform								Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter Optional: ThinkPad Ethernet Extension Adapter Gen 2			
Memory	4GB, 8GB, 16GB or 32GB / 2400MHz DDR4 / soldered to systemboard, no sockets <i>* 32GB memory is NOT available for models with 10th Gen processor</i> <i>* Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation</i>								Bundled Accy	Optional: ThinkPad Ethernet Extension Adapter Gen 2			
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Camera (optional)	• HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus		
	13.3"	HD (1366x768)	TN	Anti-glare	250 nits	16:9	500:1	45%	90°	Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array far-field microphone (optional for special bid model), headphone / microphone combo jack		
	13.3"	FHD (1920x1080)	IPS	Anti-glare	300 nits	16:9	800:1 (non-touch) 700:1 (multi-touch)	72%	170°	Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad		
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								Security	Power-on password, hard disk password, supervisor password, security keyhole			
Storage	<ul style="list-style-type: none"> <li>M.2 2280 SSD / SATA 6.0Gb/s</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4</li> </ul>								Security chip	Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified (may be disabled in some region)			
									System Mgt (opt)	Intel vPro Technology			
Optical	None								Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest			
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2								NFC (optional)	Near Field Communication			
WLAN (optional)	<ul style="list-style-type: none"> <li>Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0</li> <li>Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.0</li> </ul>								Battery	Integrated Li-ion 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter			
Bluetooth™ (opt)	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Max battery life	MobileMark® 2014: 17.6 hr <i>* Battery life varies significantly with settings, usage, &amp; other factors</i>			
WWAN (optional)	<ul style="list-style-type: none"> <li>Wireless WAN upgradable (special bid only in EMEA)</li> <li>Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)</li> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li> </ul> <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>								AC adapter	<ul style="list-style-type: none"> <li>45W USB-C AC adapter</li> <li>65W USB-C AC adapter</li> <li>65W slim tip AC adapter</li> </ul>			
SIM card (opt)	Nano-SIM card slot, in the combo slot with microSD card reader, optional Verizon LTE (US) SIM card								Operating system	Optional: Windows® 10 Home 64 or Windows 10 Pro 64			
									Limited warranty (optional)	<ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>1-year depot with 2-year system board repair service</li> <li>1-year limited onsite service</li> <li>1-year + 2-year depot repair service</li> <li>1-year + 2-year limited onsite service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>			
Mil-Spec test									MIL-STD-810G military testing				
Environment									EPEAT™ Gold; ENERGY STAR® 7.1; RoHS-compliant				

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

# ThinkPad X390

Lenovo™

