

Miix 520 (12") Platform Specifications - 12IKB

Product Specifications Reference (PSREF)

Processor	Intel® Core™ i3 / i5 / i7 Processors								Dimensions	<i>Pad:</i> WxDxH: 11.81" x 8.07" x 0.39"; 300m x 205mm x 9.9mm
	Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics	Weight	<i>Keyboard dock:</i> WxDxH: 11.96" x 8.63" x 0.24"; 303.9m x 219.1mm x 6mm
	i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520	<i>Pad:</i> 1.94lb / 0.88kg	<i>Keyboard dock:</i> 0.84lb / 0.38kg
	i3-7100U			2.4 GHz	-			Intel HD Graphics 620		
	i3-7130U			2.7 GHz	-					
	i3-8130U			2.2 GHz	3.4 GHz	4MB				
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Intel UHD Graphics 620		
i7-8550U	1.8 GHz			4.0 GHz	8MB					
Graphics	Intel HD Graphics 520, Intel HD Graphics 620 or Intel UHD Graphics 620 in processor								Media reader (<i>opt</i>)	MicroSD card reader, supports up to 2TB (Wifi model only)
Chipset	Intel SoC (System on Chip) platform								Ports	USB 3.1 Gen x 1, USB 3.1 Type C Gen1 x 1 (combine DP 1.2, VGA / HDMI), combo audio jack, AC power adapter jack, optional fingerprint reader
Memory	16GB max / 2133MHz DDR4, soldered to systemboard System automatically clocks down for the processors with lower memory controller								<i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>	
Widescreen	12.2" (305mm) FHD (1920x1200) color, IPS, LED backlight, 320 nits, 16:10 aspect ratio								Camera	<i>Front camera:</i> 5MP resolution, fixed focus <i>Rear camera:</i> 5MP or 8MP resolution, auto focus, support AR (8MP only)
Multi-touch	Multi-touch (10 fingers)								Audio support	HD Audio, stereo speakers with Dolby® Audio X2, 1.0W x 2 / dual array microphone, combo audio / microphone jack
Keyboard dock	<i>Optional:</i> detachable folio keyboard with touchpad and optional backlight								Touchpad (<i>opt</i>)	One-piece multi-touch touchpad
Active pen (<i>opt</i>)	<i>Some:</i> Lenovo® Active Pen 1, battery included on some models <i>Some:</i> Lenovo Active Pen 2 (bluetooth), battery included on some models								Security chip (<i>opt</i>)	Discrete TPM 2.0, TCG Certified
M.2 SSD	M.2 SSD / PCIe 3.0x4								Fingerprint reader	<i>Optional:</i> fingerprint reader on right side
Optical	None								Battery	Li-Polymer 2-cell (39Wh)
Ethernet	None								Max battery	MobileMark® 2014: 8 hrs <i>* Battery life varies significantly with settings, usage, & other factors</i>
Bluetooth™	Bluetooth 4.1 wireless								AC adapter	45W Round Tip AC adapter
WLAN	<i>Some:</i> 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card <i>Some:</i> 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card								Preload	<i>Some:</i> Windows® 10 Home 64 <i>Some:</i> Windows 10 Pro 64 Preloaded applications (only some listed) <ul style="list-style-type: none">• Lenovo ID• Lenovo Settings• McAfee LiveSafe™ (30-day trial)• Lenovo App Explorer
WWAN (<i>optional</i>)	4G LTE connectivity								Limited warranty	<ul style="list-style-type: none">• 1-year depot repair service• 2-year/1-yr battery depot repair service
SIM card (<i>opt</i>)	Single Nano-SIM slot (4G model only)								Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant
ALS	None									
eCompass	None									
Hall Sensor	Yes									
G-sensor	Yes									
Gyroscope	Yes									