ThinkPad P70 Platform Specifications

Processor	6th Generation Intel® Core™ i7 Processor or Intel Xeon® Processor E3 v5 Family								Smart card reader Optional: Smart card reader		
	Processor Number i7-6700HQ	# of Cores	# of Threads	2.6 GHz	Max Turbo Frequency 3.5 GHz	Cache 6MB 8MB	Types	Processor Graphics Intel HD Graphics	- 	One slot (ExpressCard/34) 4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card Four USB 3.0 (one Always On), two USB Type-C / Thunderbolt 3, Mini DisplayPort, HDMI, Ethernet (RJ-45), Dock connector //HD720p resolution, low light sensitive, fixed focus HD Audio, Realtek® ALC3268 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack	
	i7-6820HQ E3-1505M v5	-		2.7 GHz 2.8 GHz	3.6 GHz 3.7 GHz			530 Intel HD Graphics P530 Intel Iris™ Pro			
	E3-1575M v5			3 GHz	3.9 GHz			Graphics P580	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight 3-button TrackPoint® pointing device and	
Graphics	Intel HD Graphics 530, Intel HD Graphics P530, or Intel Iris™ Pro Graphics P580 in processor and NVIDIA Quadro® M600M (2GB memory), M3000M (4GB memory), M4000M (4GB memory), or M5000M (8GB memory); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports five independent displays; Max resolution: 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable); 3840x2160@60Hz (Thunderbolt); 3840x2160@30Hz (HDMI)							nunderbolt™; Port cable);	Security Security chip ThinkEngine vPro (optional) Fingerprint reade Color calibration	3-button crystal silk surface multi-touch touchpad Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures Intel vPro Technology Touch style fingerprint reader on the keyboard bezel Optional: Pantone® color calibrator by X-Rite® color calibration sensor in palm rest	
Chipset Memory	Mobile Intel CM236 Chipset (Intel GL82CM236 PCH) 64GB max ⁷ / 2133MHz DDR4, ECC or non-ECC (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets							upported only on ckets	Battery Li-Ion 8-cell (96Wh) Max battery life10 Mode Discrete Graphics Hybrid Graphics		
Display	Some: 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 72% gamut, 170° viewing angle								AC adapter 170W or 230W slim tip AC adapter		
Multi-touch (opt) Pen (optional)	16:9 aspect ratio, 800:1 contrast ratio, 90% gamut, 170° viewing angle								Preload Some: Genuine Windows® 7 Professional 64 Some: Windows 7 Professional 64 preinstalled through downgrade Windows 10 Pro 64 Lenovo Solution Center Lenovo SHAREit Lenovo Companion		
Storage Optical (optional)	Up to 4 drives (two M.2 SSD and two HDD, one of which is in the optical bay) • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Shock Mounted Hard Drive, Active Protection System™ • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • M.2 SSD / PCle NVMe, PCle 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCle NVMe) DVD burner, 9.5mm high, fixed, tray-in								rights in Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • ThinkVantage Product Recovery • Rescue and Recovery™ • ThinkVantage System Update • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate		
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville))			
WLAN⁴ Bluetooth™	11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter • McAfee® LiveSafe™ (30-day trial) For ISV certifications, please visit www.lenovo.com/support/ISV									For ISV certifications, please visit www.lenovo.com/support/ISV	
WWAN (optional) SIM card) Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card Micro-SIM card slot							GNSS, M.2 card	Limited warranty ¹	2 One of the following, configurable by model: 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service ²⁴ 3-year/1-yr battery limited onsite service OID (One its International Delivory)	
Dimensions ³	Non-to-only models, starting at 7.0 lb (0.0 lcs)								Mil-Spec test	3-year/1-yr battery limited onsite service, OID (Onsite International Delivery) MIL-STD-810G military certification	
Weight ² Case material									Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant	
									•	Lenovo	

Lenovo March 2018