

MOBILE ELECTRONIC DEVICES (LAPTOPS & MOBILE PHONES) SPECIFICATION

PARAMETERS	REQUIREMENTS
Laptop	
Processor	8-core CPU with 4 performance cores and 4 efficiency cores
Memory	8gb RAM
Storage	512gb SSD (configurable to 1TB or 2TB)
Operating System	macOS
Display	Retina display, 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colours
Device Colour	Gold
Battery Operating Time	15 – 18 hours
Power	Built-in 49.9-watt-hour lithium-polymer battery, 30W USB-C Power Adapter
Charging and expansion	Two Thunderbolt / USB 4 ports with support for: charging, display port, Thunderbolt 3 (up to 40Gb/s), USB 4 (up to 40Gb/s), USB 3.1 Gen 2 (up to 10Gb/s), 3.5 mm headphone jack
Keyboard and trackpad	Backlit Magic Keyboard with: <ul style="list-style-type: none"> a) 78 (U.S.) or 79 (ISO) keys including 12 function keys and 4 arrow keys in an inverted-T arrangement, b) Ambient light sensor, c) Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures
Wireless	<ul style="list-style-type: none"> a) Wifi: 802.11ax Wi-Fi 6 wireless networking IEEE 802.11a/b/g/n/ac compatible b) Bluetooth: Bluetooth 5.0 wireless technology

Camera	720p FaceTime HD camera, advanced image signal processor with computational video
Audio	<ul style="list-style-type: none"> a) Stereo speakers b) Wide stereo sound c) Support for Dolby Atmos playback d) Three-mic array with directional beamforming e) 3.5 mm headphone jack
Operating requirements	<ul style="list-style-type: none"> a) Line voltage: 100V to 240V AC b) Frequency: 50Hz to 60Hz c) Operating temperature: 50° to 95° F (10° to 35° C) d) Storage temperature: -13° to 113° F (-25° to 45° C) e) Relative humidity: 0% to 90% noncondensing f) Operating altitude: tested up to 10,000 feet g) Maximum storage altitude: 15,000 feet h) Maximum shipping altitude: 35,000 feet
Size and weight	<ul style="list-style-type: none"> a) Height: 0.16–0.63 inch (0.41–1.61 cm) b) Width: 11.97 inches (30.41 cm) c) Depth: 8.36 inches (21.24 cm) d) Weight: 2.8 pounds (1.29 kg)
Mobile Phone	
Platform	iOS, A15 Bionic
Memory	4gb RAM
Storage	256gb
Dimensions	146.7 x 71.5 x 7.7 mm (5.78 x 2.81 x 0.30 in)
Weight	174g
Display	Super Retina XDR OLED, HDR10, Dolby Vision, 6.1 inches
Resolution	1170 x 2532 pixels, 460 PPI density
WLAN	Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, hotspot
Sensors	Face ID, accelerometer, gyro, proximity, compass, barometer
Battery	Li-Ion 3240 mAh, non-removable with fast charging support

Camera	a) Back: 12MP, f/1.6 and 12MP, f/2.4 b) Front: 12MP, f/2.2
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