



**MOBILE ELECTRONIC DEVICES (LAPTOPS & MOBILE PHONES) SPECIFICATION**

PARAMETERS	REQUIREMENTS
<b>Laptop</b>	
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	Windows 10
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"> <li>a) 78 (U.S.) or 79 (ISO) keys including 12 function keys and 4 arrow keys in an inverted-T arrangement,</li> <li>b) Ambient light sensor,</li> <li>c) Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures</li> </ul>
Wireless	<ul style="list-style-type: none"> <li>a) Wifi: 802.11ax Wi-Fi 6 wireless networking IEEE 802.11a/b/g/n/ac compatible</li> <li>b) Bluetooth: Bluetooth 5.0 wireless technology</li> </ul>

Camera	720p FaceTime HD camera, advanced image signal processor with computational video
Audio	<ul style="list-style-type: none"> <li>a) Stereo speakers</li> <li>b) Wide stereo sound</li> <li>c) Support for Dolby Atmos playback</li> <li>d) Three-mic array with directional beamforming</li> <li>e) 3.5 mm headphone jack</li> </ul>
Operating requirements	<ul style="list-style-type: none"> <li>a) Line voltage: 100V to 240V AC</li> <li>b) Frequency: 50Hz to 60Hz</li> <li>c) Operating temperature: 50° to 95° F (10° to 35° C)</li> <li>d) Storage temperature: -13° to 113° F (-25° to 45° C)</li> <li>e) Relative humidity: 0% to 90% noncondensing</li> <li>f) Operating altitude: tested up to 10,000 feet</li> <li>g) Maximum storage altitude: 15,000 feet</li> <li>h) Maximum shipping altitude: 35,000 feet</li> </ul>
Size and weight	<ul style="list-style-type: none"> <li>a) Height: 0.16–0.63 inch (0.41–1.61 cm)</li> <li>b) Width: 11.97 inches (30.41 cm)</li> <li>c) Depth: 8.36 inches (21.24 cm)</li> <li>d) Weight: 2.8 pounds (1.29 kg)<sup>3</sup></li> </ul>
<b>Mobile Phone</b>	
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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The mobile devices to be fully installed with the communication software for the electronic maximum demand indicator

	NAME	DESIGNATION	DEPARTMENT	SIGNATURE
APPROVED BY	BERNARD KING'ESI	SENIOR TECH II	DISTRIBUTION NETWORK	 17/04/23
APPROVED BY	RAPHAEL NDOLO	MANGER-DISTRIBUTION NETWORK	DISTRIBUTION NETWORK	 17/04/2023