

SUPPLY OF BUSINESS-CLASS LAPTOPS

(32 GB RAM, 512 GB NVMe SSD, Core Ultra 7 (155H / 165H / 255H / 258V/255U) Performance Class or Equivalent / Better)

Technical Specifications for Business-Class Laptop

The offered laptop shall be a new, genuine, current-generation business/commercial-class notebook computer from a reputable international manufacturer with an established business/commercial laptop product line and authorized local after-sales support.

Sr. #	Component	Required Minimum Specification
1	Type	Business-class professional laptop from an internationally recognized OEM
2	Processor	Intel® Core™ Ultra 7 (155H / 165H / 255H / 258V / 255U) or higher, minimum 12 cores, maximum turbo frequency up to 5.2 GHz or higher
3	AI / NPU	Integrated Neural Processing Unit (NPU) with minimum 12 TOPS AI performance
4	Processor Generation	Latest available Intel Core Ultra business/mobile processor generation meeting or exceeding specified performance
5	Graphics	Integrated Intel graphics compatible with offered processor
6	Memory	Minimum 32 GB DDR5, 5600 MT/s or higher
7	Memory Configuration	Factory-installed memory; system should support future memory expansion
8	Storage	Minimum 512 GB PCIe NVMe SSD
9	Display Size	14 to 16-inch class display
10	Display Resolution	Minimum FHD+ (1920 × 1200) or better
11	Panel Type	IPS, anti-glare, non-touch
12	Brightness	Minimum 300 nits
13	Camera	Integrated FHD 1080p camera, 30 fps or better
14	Wireless LAN	Intel Wi-Fi 6E AX211 or equivalent/higher
15	Bluetooth	Bluetooth 5.4 or higher
16	Keyboard	Full-size English backlit keyboard (Numeric keypad required for 15.6" / 16" models; integrated keyboard without numeric keypad acceptable for 14" models)
17	Security	Integrated fingerprint reader
18	TPM	TPM 2.0 or equivalent hardware-based security
19	Battery	Minimum 3-cell, 45Wh battery with rapid/express charging capability or better
20	AC Adapter	OEM supplied 65 W or higher AC adapter
21	Ethernet	Gigabit Ethernet (RJ-45) via integrated port OR OEM-supplied Type-C to RJ-45 adapter included in the package

22	Operating System	Genuine/Licensed Windows 11 Pro 64-bit, factory installed along with MS Office 365 (at least 3 years subscription)
23	System Management	Enterprise/business-class BIOS and OEM system-management utilities
24	Energy Certification	ENERGY STAR qualified
25	Warranty	Minimum 3 years OEM onsite hardware support with remote diagnosis
26	Carry Case	OEM-branded professional backpack suitable for 14–16" laptops
27	OEM Status	Equipment must be brand-new, unused, current production model and supplied through OEM/authorized channel. Manufacturer Original undertaking and online verifiable warranty tracking is mandatory.

General Conditions

1. The equipment offered shall be brand new, unused, and the latest production model available at the time of delivery.
2. The bidder shall clearly mention the manufacturer, exact model number, complete configuration offered, and part/model numbers where applicable.
3. A detailed compliance statement against each technical specification shall be submitted, indicating compliance or deviation.
4. Any specification described as “or equivalent/better” shall mean equal to or superior in performance, functionality, reliability and quality, subject to technical evaluation by the Purchaser.
5. For processor equivalence, the Purchaser may verify performance through manufacturer documentation and recognized independent benchmark results.
6. The quoted brand must feature among the Top global PC vendors by market share/shipment volume as per the latest Gartner Worldwide PC Market Report.
7. Where the required **Ethernet, HDMI** or other connectivity is **provided through an adapter/docking solution**, the adapter/docking solution shall be manufacturer-supplied or manufacturer-approved and shall be supplied as part of the offered configuration.
8. The Purchaser reserves the right to verify offered specifications through the manufacturer's official documentation and other reliable technical references.
9. All configurations offered shall be commercially available and supported by the manufacturer at the time of delivery.
10. The bidder shall provide manufacturer authorization/partner evidence and local warranty/support details, where requested by the Purchaser.