

Technical specifications for Mobile Workstation

Processor	Intel® Core Ultra 7 processor 155H 16 cores 24MB
Chipset	Chipset is integrated with processor
Graphic Card	NVIDIA RTX™ 1000 Ada (6GB)
RAM	32 GB DDR5 5600Mhz Memory and option to upgrade up to 64GB or Higher in future.
HDD	1 TB NVMe PCIe SSD and option to add one more M.2 SSD in future.
Display	40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 45% NTSC with IR 5MB CAM
Keyboard & Pointing Device	Premium Keyboard, spill resistant, Backlit keyboard and DuraKeys ,Clickpad with multi-touch gesture support, taps enabled , Microsoft Precision Touchpad Default Gestures Support
Audio	Audio by Bang & Olufsen , 2 Integrated stereo speakers , Integrated dual array microphone functions keys for volume up and down, combo microphone/headphone jack, HD audio
Communications	Intel® I219LM GbE PCIe NIC & Intel® AX211 Wi-Fi 6E + Bluetooth® 5.3 wireless card M.2 160MHz CNVi World-Wide WLAN
Ports	Security lock slot , RJ-45 , 2 x SuperSpeed USB Type-A 5Gbps signaling rate , 1 x Power connector 2 x Thunderbolt 4 with USB4 Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) , 1 x HDMI 2.0b , 1 x headphone/microphone combo , 1 x SD Reader , 1 x Smartcard Reader (Optional)
Power	Long Life 6 Cell 83 WHr Battery & 150W Smart external AC power adapter
Operating System	Windows 11 Pro 64 .All drivers required for proper integration of components should be supplied by the vendor. All latest drivers should be available to download from vendor's website.

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Security	<p>Integrated Fingerprint reader , Security Lock slot & Trusted Platform Module (TPM) 2.0 , Physical attacks on devices (when a target device is disassembled in order to modify or directly probe the system board) are an increasing concern, especially as the tools to perform these sophisticated attacks become more readily available.</p>
Certification and Additional Software	<ol style="list-style-type: none">1. The system should be certified by leading ISV's for running their applications. The hardware vendor should supply an automatic system performance tuning software, which ensures optimum performance tuning for leading CAD/CAM/CAE softwares on Windows.2. The tuning software should have modules for resource monitoring over a long period of time, and should be capable of showing GPU utilisation (GPU, Graphics memory and Codec activity) in Windows.3. A complete Offline Diagnostics and Asset Discovery software suite should be supplied along with the system.
Vendor Status	<p>The hardware vendor should be a reputed concern, having global presence in multiple countries. Vendor should have ISO certifications.</p>
Warranty	<p>Three years parts and labour warranty - onsite and bring to Service centre support</p>
Regulatory and Environmental Compliance	<p>ENERGY STAR certified and EPEAT registered</p>
Product Details	<p>The Detailed Technical specifications of the Model with images should be available to public on OEM's official website for verification. Part Numbers with make and Model of all items of the BOM of the offered Model for cross verification, and to mention in Purchase Order</p>
BIOS	<p>BIOS of the Workstation to have tool for Enhanced security features like self healing, regular checks.</p>