

TENDER NO. KP1/1/3A/4/1/OT/003/24-25
SPECIFICATIONS – CONFIGURATION LAPTOPS

CORS CONFIGURATION LAPTOPS		
#	Description	Specs
Dimensions and weight		
1	Height	
2	Front	7.70 mm (0.30 in.)
3	Rear	11.65 mm (0.45 in.)
4	Width	344.40 mm (13.56 in.)
5	Depth	230.30 mm (9.07 in.)
6	Weight (maximum)	4.51 lb (2.05 Kg)
Processors		
1	Processors	10th Generation Intel Core i9-10885H
2	Wattage	45 W
3	Core count	8
4	Thread count	16
5	Speed	2.40 GHz to 5.30 GHz
6	Cache	16 MB
7	Integrated graphics	Intel UHD P630 Graphics
Chipset		
1	Chipset	WM490
2	DRAM bus width	64-bit
3	Flash EPROM	32 MB
4	PCIe bus	Up to Gen 3.0
Operating system		
	Operating system	Windows 10 Professional (64-bit)
Memory specifications		
1	Slots	Two-SODIMM slots
2	Type	Dual-channel DDR4, ECC
3	Speed	2666 MHz, 3200 MHz
4	Maximum memory	64 GB
5	Minimum memory	8GB
6	Configurations supported	32 GB, 2 x16 GB, DDR4, 3200 MHz, dual-channel

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Ports and Connectors		
External ports and connectors		
1	USB	Two USB 3.2 Gen 2 Type-C port with Thunderbolt 3 (Power Delivery) One USB 3.2 Gen 2 Type-C Display port
2	Audio	One Universal Audio port
3	Video	USB Type-C to DisplayPort adapter (sold separately)
4	Media card reader	One SD 3.0/4.0/6.0 card
5	Power adapter port	USB Type-C port
6	Security	One wedge-shaped security slot
Internal ports and connectors		
1	M.2	Two M.2 2230/2280 slot for solid-state drives
Communications		
Wireless module specifications		
1	Model number	Intel Wi-Fi 6 AX201
2	Transfer rate	Up to 2400 Mbps
3	Frequency bands supported	2.4 GHz/5 GHz
4	Wireless standards	Wi-Fi 802.11a/b/g Wi-Fi 4 (WiFi 802.11n) Wi-Fi 5 (WiFi 802.11ac) Wi-Fi 6 (WiFi 802.11ax)
5	Encryption	64-bit/128-bit WEP AES-CCMP TKIP
6	Bluetooth	Bluetooth 5.1
Audio		
Audio Specifications		
1	Controller	Realtek ALC3281-CG
2	Stereo conversion	Supported
3	Internal interface	High definition audio interface
4	External interface	Universal Audio Jack

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5	Speakers	2-way speaker
6	Internal speaker amplifier	Supported
7	External volume controls	Keyboard shortcut controls
Speaker Output		
1	Average	4 W
2	Peak	5 W
3	Subwoofer output	Supported
4	Microphone	Digital-array microphones
Storage		
Storage specifications		
1	Storage Type	Up to two M.2 2230 or 2280 solid-state drive
2	Interface Type	PCIe Gen3.0x4 NVMe, up to 32 Gbps
3	Capacity	Up to 2 TB
Media-card reader		
Media-card reader specifications		
1	Type	One SD 3.0/4.0/6.0 card slot
2	Cards supported	Secure Digital (SD)
		Secure Digital High Capacity (SDHC)
		Secure Digital eXtended Capacity (SDXC)
Keyboard		
Keyboard specifications		
1	Keyboard type	Backlit keyboard
2	Keyboard layout	QWERTY
3	Number of keys	United Kingdom: 80 keys
4	Keyboard size	X=19.05 mm key pitch
		Y=18.05 mm key pitch
Camera		
Camera specifications		
1	Number of cameras	One
2	Type	RGB HD camera/Infrared camera
3	Location	Front camera

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4	Sensor type	CMOS sensor technology
Resolution		
1	Camera	
2	Still image	0.92 megapixel
3	Video	1280 x 720 (HD) at 30 fps
4	Infrared camera	
5	Still image	0.2 megapixel
6	Video	576 x 360 at 15 fps
Diagonal viewing angle		
1	Camera	78.5 degrees
2	Infrared camera	78.5 degrees
Touchpad		
Touchpad specifications		
Resolution		
1	Horizontal	4655
2	Vertical	2731
Dimensions		
1	Horizontal	50 mm
2	Vertical	90 mm
Power adapter		
Power adapter specifications		
1	Type	130 W USB-C (Discrete)
2	Diameter	Type-C connector
3	Input voltage	100 VAC-240 VAC
4	Input frequency	50 Hz-60 Hz
5	Input current (maximum)	1.8 A
6	Output current (continuous)	20 V/6.5 A (Continuous)
7		5.0 V/1 A (Continuous)
8	Rated output voltage	20 VDC/5 VDC
9	Temperature range	
10	Operating	0 °C to 40 °C (32 °F to 104 °F)

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11	Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Battery		
Battery specifications		
1	Type	6-cell lithium-ion 86 WHr
2	Voltage	11.4 VDC
3	Weight (maximum)	0.340 kg
4	Dimensions	
5	Height	7.56 mm
6	Width	77.7 mm
7	Depth	295.2 mm
8	Temperature range	
9	Operating	Charge: 0 °C to 45 °C (32 °F to 113 °F) Discharge: 0 °C to 60 °C (32 °F to 149 °F)
10	Storage	-20 °C to 60 °C (4 °F to 149 °F)
Display		
Display specifications		
1	Type	Ultra High Definition (UHD+), touch
2	Panel technology	Wide Viewing Angle (WVA)
3	Luminance (typical)	500 Nits
4	Dimensions (Active area)	
5	Height	336.38 mm
6	Width	210.24 mm
7	Diagonal	15.6"
8	Native resolution	3840 x 2400
9	Megapixels	9.2 megapixels
10	Color gamut	Adobe 100% min; DCI-P3 94% typical, 90% minimum
11	Pixels per inch (PPI)	290
12	Contrast ratio (min)	66.66736111
13	Response time (max)	35 ms
14	Refresh rate	60 Hz
15	Horizontal view angle	85 +/- degrees

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16	Vertical view angle	85 +/- degrees
17	Pixel pitch	0.0876 mm
18	Power consumption (maximum)	10.4 W
19	Anti-glare vs glossy finish	Anti-Reflection
20	Touch options	Yes
Fingerprint reader		
Fingerprint reader specifications		
1	Sensor technology	Capacitive
2	Sensor resolution	500 dpi
3	Sensor area	5.49 mm x 4.47 mm
4	Sensor pixel size	108 x 88
Video		
Discrete graphics specifications		
Controller	External display support	Memory size and Memory Type
NVIDIA Quadro T2000	N/A	4 GB, GDDR6
Integrated graphics specifications		
Controller	External display support	Memory size
Intel UHD Graphics 630	Type-C	Shared system memory
Computer environment		
Computer environment		
Description	Operating	Storage
Temperature range	0°C to 35°C (32°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G†	160 G†
Altitude (maximum)	-15.2 m to 3048 m (4.64 ft to 5518.4 ft)	-15.2 m to 10668 m (4.64 ft to 19234.4 ft)
Accessories		
Wireless mouse		

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Orthopedic Anti-Theft business laptop bag		
Microsoft office 365 installation		