



**MSI Workstation WE65 9TJ-014CA laptop Intel® Core™ i7 i7-9750H
Mobile workstation 39.6 cm (15.6") Full HD 32 GB DDR4-SDRAM
1.51 TB HDD+SSD NVIDIA Quadro T2000 Wi-Fi 6 (802.11ax)
Windows 10 Pro Black**

Brand : MSI

Product family: Workstation

Product code: WE65
9TJ-014CA

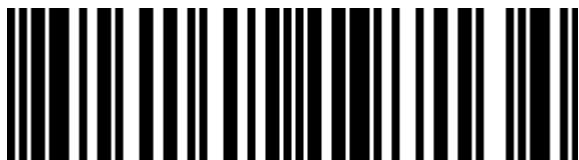
Product name : WE65
9TJ-014CA

- Windows 10 Pro 64-bit
- Intel Core i7-9750H (12MB Cache, 2.6GHz)
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA Quadro T2000 (4GB GDDR5)
- 32GB (2666MHz) DDR4-SDRAM (2 x 16) & 1000GB HDD, 512GB SSD
Intel Core i7-9750H (12MB Cache, 2.6GHz), 32GB DDR4-SDRAM, 1000GB HDD, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics 630, NVIDIA Quadro T2000 (4GB GDDR5), LAN, WLAN, Bluetooth, Webcam, Windows 10 Pro 64-bit
MSI Workstation WE65 9TJ-014CA. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-9750H, Processor frequency: 2.6 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1.51 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Pro. Product colour: Black



Design		Camera	
Product type *	Mobile workstation	Video capturing speed	30 fps
Product colour *	Black	Network	
Form factor *	Clamshell	Wi-Fi	✓
Display		Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display diagonal *	39.6 cm (15.6")	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Display resolution *	1920 x 1080 pixels		
Touchscreen *	✗		
HD type	Full HD		
LED backlight	✓	Antenna type	2x2
Native aspect ratio	16:9	Ethernet LAN	✓
Dual-screen	✗	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Bluetooth version	5.1
Processor family *	Intel® Core™ i7	Ports & interfaces	
Processor generation	9th gen Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Processor model *	i7-9750H	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor cores	6	Ethernet LAN (RJ-45) ports	1
Processor threads	12	HDMI ports quantity *	1
Processor boost frequency	4.5 GHz	Mini DisplayPorts quantity	1
Processor frequency *	2.6 GHz	Headphone outputs	1
System bus rate	8 GT/s	Microphone in	✓
Processor cache	12 MB	Keyboard	
Processor cache type	Smart Cache	Pointing device	Touchpad
Processor socket	BGA 1440	Numeric keypad *	✓
Processor lithography	14 nm	Keyboard backlight	✓
Processor operating modes	64-bit	Keyboard backlight colour	White
Processor codename	Coffee Lake	Windows keys	✓
Thermal Design Power (TDP)	45 W	Software	
Configurable TDP-down	35 W	Operating system architecture	64-bit
Tjunction	100 °C	Operating system installed *	Windows 10 Pro
Maximum number of PCI Express lanes	16		

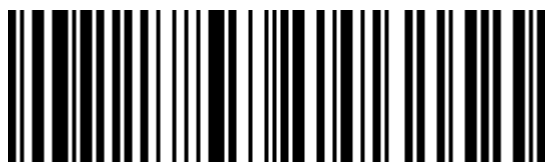
Processor		Processor special features	
PCI Express slots version	3.0	Intel® My WiFi Technology (Intel® MWT)	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Identity Protection Technology (Intel® IPT)	✓
Memory		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Internal memory *	32 GB	Intel® Turbo Boost Technology	2.0
Internal memory type	DDR4-SDRAM	Enhanced Intel SpeedStep Technology	✓
Memory clock speed	2666 MHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory form factor	SO-DIMM	Intel Clear Video Technology	✓
Memory layout (slots x size)	2 x 16 GB	Intel® InTru™ 3D Technology	✓
Memory slots	2x SO-DIMM	Intel® Quick Sync Video Technology	✓
Maximum internal memory *	64 GB	Intel Flex Memory Access	✓
Storage		Intel® AES New Instructions (Intel® AES-NI)	✓
Total storage capacity *	1.51 TB	Intel Trusted Execution Technology	✗
Storage media *	HDD+SSD	Intel VT-x with Extended Page Tables (EPT)	✓
Total HDDs capacity	1 TB	Intel® Secure Key	✓
Number of HDDs installed	1	Intel TSX-NI	✗
HDD capacity	1 TB	Intel Stable Image Platform Program (SIPP)	✗
HDD interface	SATA	Intel® OS Guard	✓
HDD speed	7200 RPM	Intel Software Guard Extensions (Intel SGX)	✓
Total SSDs capacity	512 GB	Intel 64	✓
Number of SSDs installed	1	Execute Disable Bit	✓
SSD capacity	512 GB	Idle States	✓
SSD interface	PCI Express 3.0	Thermal Monitoring Technologies	✓
SSD form factor	M.2	Processor package size	42 x 28 mm
Optical drive type *	✗	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Card reader integrated	✓	CPU configuration (max)	1
Compatible memory cards	SD, SDHC, SDXC	Embedded options available	✗
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	NVIDIA Quadro T2000	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	4 GB	Processor ARK ID	191045
Discrete graphics memory type	GDDR5	Battery	
On-board graphics card *	✓	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card *	✓	Number of battery cells	6
On-board graphics card family	Intel® UHD Graphics	Battery capacity *	51 Wh
On-board graphics card model *	Intel® UHD Graphics 630	Power	
On-board graphics card base frequency	350 MHz	AC adapter power	150 W
On-board graphics card dynamic frequency (max)	1150 MHz	DC-in jack	✓
Maximum on-board graphics card memory	64 GB	Weight & dimensions	
On-board graphics card DirectX version	12.0	Width	357.7 mm
On-board graphics card OpenGL version	4.5	Depth	248 mm
On-board graphics card ID	0x3E9B	Height	26.9 mm
Number of discrete graphics cards installed	1	Weight *	2.23 kg
CUDA	✓	Packaging content	
Audio		AC adapter included *	✓
Number of built-in speakers	2	Other features	
Speaker power	2 W	3D	✗
Built-in microphone	✓		
Camera			
Front camera	✓		
Front camera signal format	720p		
Front camera HD type	HD		



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