



**MSI Workstation WS65 9TJ-014CA laptop Intel® Core™ i7 i7-9750H
Mobile workstation 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM
512 GB SSD NVIDIA Quadro T2000 Wi-Fi 5 (802.11ac) Windows 10
Pro Black**



Brand : MSI

Product family: Workstation

Product code: WS65
9TJ-014CA

Product name : WS65
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 RTX 3000 (6GB GDDR6)
- 32GB (2666MHz) DDR4-SDRAM (2 x 16) & 512GB SSD

Intel Core i7-9750H (12MB Cache, 2.6GHz), 16GB DDR4-SDRAM, 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 WS65 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: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Pro. Product colour: Black

Design		Network	
Product type *	Mobile workstation	Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Product colour *	Black	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Form factor *	Clamshell	Antenna type	2x2
Display		Ethernet LAN	✓
Display diagonal *	39.6 cm (15.6")	Ethernet LAN data rates	10,100,1000 Mbit/s
Display resolution *	1920 x 1080 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.0
HD type	Full HD	Ports & interfaces	
LED backlight	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Native aspect ratio	16:9	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Dual-screen	✗	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Maximum refresh rate	60 Hz	Ethernet LAN (RJ-45) ports	1
NTSC coverage (typical)	72%	HDMI ports quantity *	1
sRGB coverage (typical)	100%	Mini DisplayPorts quantity	1
Processor		Headphone outputs	1
Processor manufacturer *	Intel	Microphone in	✓
Processor family *	Intel® Core™ i7	USB Type-C DisplayPort Alternate Mode	✓
Processor generation	9th gen Intel® Core™ i7	Keyboard	
Processor model *	i7-9750H	Pointing device	Touchpad
Processor cores	6	Numeric keypad *	✗
Processor threads	12	Keyboard backlight	✓
Processor boost frequency	4.5 GHz	Keyboard backlight colour	White
Processor frequency *	2.6 GHz	Windows keys	✓
System bus rate	8 GT/s	Software	
Processor cache	12 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Operating system installed *	Windows 10 Pro
Processor socket	BGA 1440		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Coffee Lake		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		

Processor		Processor special features	
Tjunction	100 °C	Intel® My WiFi Technology (Intel® MWT)	✓
Maximum number of PCI Express lanes	16	Intel® Identity Protection Technology (Intel® IPT)	✓
PCI Express slots version	3.0	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Turbo Boost Technology	2.0
Memory		Enhanced Intel SpeedStep Technology	✓
Internal memory *	16 GB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Internal memory type	DDR4-SDRAM	Intel Clear Video Technology	✓
Memory clock speed	2666 MHz	Intel® InTru™ 3D Technology	✓
Memory form factor	SO-DIMM	Intel® Quick Sync Video Technology	✓
Memory layout (slots x size)	2 x 8 GB	Intel Flex Memory Access	✓
Memory slots	2x SO-DIMM	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum internal memory *	64 GB	Intel Trusted Execution Technology	✗
Storage		Intel VT-x with Extended Page Tables (EPT)	✓
Total storage capacity *	512 GB	Intel® Secure Key	✓
Storage media *	SSD	Intel TSX-NI	✗
Total SSDs capacity	512 GB	Intel Stable Image Platform Program (SIPP)	✗
Number of SSDs installed	1	Intel® OS Guard	✓
SSD capacity	512 GB	Intel Software Guard Extensions (Intel SGX)	✓
SSD interface	PCI Express 3.0	Intel 64	✓
SSD form factor	M.2	Execute Disable Bit	✓
Optical drive type *	✗	Idle States	✓
Card reader integrated	✗	Thermal Monitoring Technologies	✓
Graphics		Processor package size	42 x 28 mm
Discrete graphics card model *	NVIDIA Quadro T2000	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Discrete graphics card memory	4 GB	CPU configuration (max)	1
Discrete graphics memory type	GDDR5	Embedded options available	✗
On-board graphics card *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card family	Intel® UHD Graphics	Processor ARK ID	191045
On-board graphics card model *	Intel® UHD Graphics 630	Battery	
On-board graphics card base frequency	350 MHz	Battery technology	Lithium Polymer (LiPo)
On-board graphics card dynamic frequency (max)	1150 MHz	Number of battery cells	4
Maximum on-board graphics card memory	64 GB	Battery capacity *	82 Wh
On-board graphics card DirectX version	12.0	Power	
On-board graphics card OpenGL version	4.5	AC adapter power	180 W
On-board graphics card ID	0x3E9B	DC-in jack	✓
Number of discrete graphics cards installed	1	Weight & dimensions	
CUDA	✓	Width	357.7 mm
Audio		Depth	247.7 mm
Number of built-in speakers	2	Height	17.9 mm
Speaker power	2 W	Weight *	1.9 kg
Built-in microphone	✓	Packaging content	
Camera		AC adapter included *	✓
Front camera	✓	Other features	
Front camera signal format	720p	3D	✗
Front camera HD type	HD		
Video capturing speed	30 fps		
Network			
Wi-Fi	✓		



0824142196885



824142196885



(01)10824142196882

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.