

**MSI Workstation WS65 9TK-899CA laptop Intel® Core™ i7  
i7-9750H Mobile workstation 39.6 cm (15.6") Full HD 32 GB DDR4-  
SDRAM 1 TB SSD NVIDIA Quadro RTX 3000 Wi-Fi 5 (802.11ac)  
Windows 10 Pro Black**



**Brand :** MSI

**Product family:** Workstation

**Product code:** WS65  
9TK-899CA

**Product name :** WS65  
9TK-899CA

- 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), 32GB DDR4-SDRAM, 1000GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics 630, NVIDIA Quadro RTX 3000 (6GB GDDR6), LAN, WLAN, Bluetooth, Webcam, Windows 10 Pro 64-bit

MSI Workstation WS65 9TK-899CA. 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 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Pro. Product colour: Black



#### Design

Product type \* Mobile workstation

Product colour \* Black

Form factor \* Clamshell

#### Display

Display diagonal \* 39.6 cm (15.6")

Display resolution \* 1920 x 1080 pixels

Touchscreen \* **✗**

HD type Full HD

LED backlight **✓**

Native aspect ratio 16:9

Dual-screen **✗**

Maximum refresh rate 60 Hz

NTSC coverage (typical) 72%

sRGB coverage (typical) 100%

#### Network

Wi-Fi standards 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)

Antenna type 2x2

Ethernet LAN **✓**

Ethernet LAN data rates 10,100,1000 Mbit/s

Bluetooth **✓**

Bluetooth version 5.0

#### Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity \* 2

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity 1

USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity 1

Ethernet LAN (RJ-45) ports 1

HDMI ports quantity \* 1

Mini DisplayPorts quantity 1

Headphone outputs 1

Microphone in **✓**

USB Type-C DisplayPort Alternate Mode **✓**

#### Processor

Processor manufacturer \* Intel

Processor family \* Intel® Core™ i7

Processor generation 9th gen Intel® Core™ i7

Processor model \* i7-9750H

Processor cores 6

Processor threads 12

Processor boost frequency 4.5 GHz

Processor frequency \* 2.6 GHz

System bus rate 8 GT/s

Processor cache 12 MB

Processor cache type Smart Cache

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

#### Performance

Motherboard chipset Intel® HM370

#### Keyboard

Pointing device Touchpad

Numeric keypad \* **✗**

Keyboard backlit **✓**

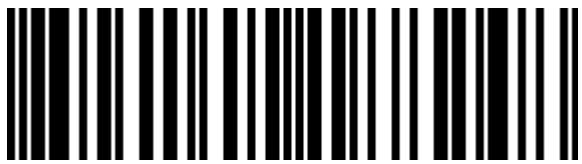
Keyboard backlit colour White

Windows keys **✓**

#### Software

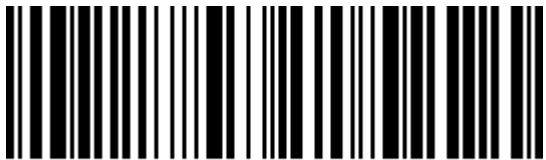
Operating system architecture 64-bit

<b>Processor</b>		<b>Software</b>	
Tjunction	100 °C	Operating system installed *	Windows 10 Pro
<b>Memory</b>		<b>Processor special features</b>	
Internal memory *	32 GB	Intel® My WiFi Technology (Intel® MWT)	✓
Internal memory type	DDR4-SDRAM	Intel® Identity Protection Technology (Intel® IPT)	✓
Memory clock speed	2666 MHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Memory form factor	SO-DIMM	Intel® Turbo Boost Technology	2.0
Memory layout (slots x size)	2 x 16 GB	Enhanced Intel SpeedStep Technology	✓
Memory slots	2x SO-DIMM	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Maximum internal memory *	64 GB	Intel Clear Video Technology	✓
<b>Storage</b>		<b>Intel® InTru™ 3D Technology</b>	
Total storage capacity *	1 TB	Intel® Quick Sync Video Technology	✓
Storage media *	SSD	Intel Flex Memory Access	✓
Total SSDs capacity	1 TB	Intel® AES New Instructions (Intel® AES-NI)	✓
Number of SSDs installed	1	Intel Trusted Execution Technology	✗
SSD capacity	1 TB	Intel VT-x with Extended Page Tables (EPT)	✓
SSD interface	PCI Express 3.0	Intel® Secure Key	✓
SSD form factor	M.2	Intel TSX-NI	✗
Optical drive type *	✗	Intel Stable Image Platform Program (SIPP)	✗
Card reader integrated	✗	Intel® OS Guard	✓
<b>Graphics</b>		<b>Intel Software Guard Extensions (Intel SGX)</b>	
Discrete graphics card model *	NVIDIA Quadro RTX 3000	Intel Software Guard Extensions (Intel SGX)	✓
Discrete graphics card memory	6 GB	Intel 64	✓
Discrete graphics memory type	GDDR6	Execute Disable Bit	✓
On-board graphics card *	✓	Idle States	✓
Discrete graphics card *	✓	Thermal Monitoring Technologies	✓
On-board graphics card family	Intel® UHD Graphics	Processor package size	42 x 28 mm
On-board graphics card model *	Intel® UHD Graphics 630	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
On-board graphics card base frequency	350 MHz	CPU configuration (max)	1
On-board graphics card dynamic frequency (max)	1150 MHz	Embedded options available	✗
Maximum on-board graphics card memory	64 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card DirectX version	12.0	Intel Virtualization Technology (VT-x)	✓
On-board graphics card OpenGL version	4.5	Processor ARK ID	191045
On-board graphics card ID	0x3E9B	<b>Battery</b>	
Number of discrete graphics cards installed	1	Battery technology	Lithium Polymer (LiPo)
CUDA	✓	Number of battery cells	4
<b>Audio</b>		Battery capacity *	82 Wh
Number of built-in speakers	2	<b>Power</b>	
Speaker power	2 W	AC adapter power	230 W
Built-in microphone	✓	DC-in jack	✓
<b>Camera</b>		<b>Weight &amp; dimensions</b>	
Front camera	✓	Width	357.7 mm
Front camera signal format	720p	Depth	247.7 mm
Front camera HD type	HD	Height	17.9 mm
Video capturing speed	30 fps	Weight *	1.9 kg
<b>Network</b>		<b>Packaging content</b>	
Wi-Fi	✓	AC adapter included *	✓
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	<b>Other features</b>	
		3D	✗



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### Catalog Object Cloud



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