

# Infinite Series Personal Computer

# Infinite B916

User Guide

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#### Revision

V3.0, 2021/6

# **Getting Started**

This chapter provides you with the information on hardware setup procedures. While connecting devices, be careful in holding the devices and use a grounded wrist strap to avoid static electricity.

## **Package Contents**

Personal Computer	Infinite B916
	User Guide (Optional)
Documentation	Quick Guide (Optional)
	Warranty Card / Warranty Book (Optional)
	Mouse (Optional)
	Keyboard (Optional)
Accessories	Physical Tempered Glass (Optional)
	Hand Screw x4 (Optional)
	Power Cord

## 🕼 Important

- Contact your place of purchase or local distributor if any of the items is damaged or missing.
- Package contents may vary by country.
- The included power cord is exclusively for this personal computer and should not be used with other products.

## Safety & Comfort Tips

- Choosing a good workspace is important if you have to work with your PC for a long period of time.
- Your work area should have enough illumination.
- Choose the proper desk and chair and adjust their height to fit your posture when operating.
- When sitting on the chair, sit straight and keep a good posture. Adjust the chair's back (if available) to support your back comfortably.
- Place you feet flat and naturally on the floor, so that your knees and elbows have the proper position (about 90-degree) when operating.
- Put your hands on the desk naturally to support your wrists.
- Avoid using your PC in a place where discomfort may occur (such as on the bed).
- The PC is an electrical device. Please treat it with great care to avoid personal injury.

## System Overview







0	Power Button
0	Hard Disk Drive LED This indicator shows the activity status of the HDD. It flashes when the system is accessing data on the HDD and remains off when no disk activity is detected.
3	Headphone Jack
6	Microphone Jack
6	USB 3.2 Gen 1 Port (Type-C)
	This connector is provided for USB peripheral devices. This connector supports power charging for external devices. (Speed up to 5 Gbps)
6	USB 3.2 Gen 1 Port
	This connector is provided for USB peripheral devices. (Speed up to 5 Gbps)
9	USB 2.0 Port
	This connector is provided for USB peripheral devices. (Speed up to 480 Mbps)
	Important
	High-speed devices are recommended for USB 3.2 ports whereas low- speed devices, such as mouse or keyboard, are suggested to be plugged into the USB 2.0 ports.
8	Ventilator
9	Flash BIOS Button
	Press the Flash BIOS button to flash BIOS, and the LED starts flashing. The LED will be turned off when the process is completed.
0	USB 2.0 Port
	This connector is provided for USB peripheral devices. (Speed up to 480 Mbps)
	Important
	High-speed devices are recommended for USB 3.2 ports whereas low- speed devices, such as mouse or keyboard, are suggested to be plugged into the USB 2.0 ports.

Supports a maximum resolution of 4K 60Hz.
Important
<ul> <li>Graphics specifications may vary depending on the installed CPU.</li> </ul>
<ul> <li>For processors without integrated graphics, connect your monitor to the discrete graphics card.</li> </ul>
DisplayPort 1.4 Port
Supports a maximum resolution of 4K 60Hz.
Important
<ul> <li>Graphics specifications may vary depending on the installed CPU.</li> </ul>
<ul> <li>For processors without integrated graphics, connect your monitor to the discrete graphics card.</li> </ul>
USB 3.2 Gen 1 Port
This connector is provided for USB peripheral devices. (Speed up to 5 Gbps)
USB 3.2 Gen 1 Port / Flash BIOS Port
This connector is provided for USB peripheral devices. (Speed up to 5 Gbps)
Updating BIOS with Flash BIOS Button
<ol> <li>Please download the latest BIOS file that matches your desktop model from the MSI<sup>®</sup> website.</li> </ol>
<b>2.</b> Rename the BIOS file to MSI.ROM, and save it to the root of the USB 2.0 storage device.
<ol> <li>Plug the USB 2.0 storage device that contains the MSI.ROM file into the Flash BIOS Port on the rear I/O panel.</li> </ol>
4. Press the Flash BIOS Button to flash BIOS, and the LED starts flashing.
<b>5.</b> The LED will be turned off when the process is completed.
USB 3.2 Gen 2x2 Port (Type-C)
This connector is provided for USB peripheral devices. This connector supports power charging for external devices. (Speed up to 20 Gbps)
USB 3.2 Gen 2 Port
This connector is provided for USB peripheral devices. (Speed up to 10 Gbps)

Ð	<b>2.5 Gbps LAN Jack</b> The standard RJ-45 LAN jack	is provided for	r connectio	n to the Local Area
	Network (LAN). You can conr			
		LED	Status	Description
		Link/ Activity	Off	No link
	LINK/ACT	LED	Yellow	Linked
	LED LED		Blinking	Data activity
			Off	10 Mbps
		Speed LED	Green	100/1000 Mbps
			Orange	2.5 Gbps
₿	S/PDIF-Out			
Ð	<b>RS-Out Jack</b> Rear surround sound line ou	t in 4/ 5.1/ 7.1 c	:hannel mo	ode.
20	<b>CS-Out Jack</b> Center/ subwoofer line out ir	n 5.1/ 7.1 chann	el mode.	
21	Mic-In Jack			
9	This connector is provided fo	r microphones		
•	Line-Out Jack			
22	This connector is provided fo	r headphones o	or speakers	5.
23	Line-In Jack			
	This connector is provided fo	r external audi	o output de	evices.
24	Power Jack			
25	Power Supply Switch			
<b>.</b>	Switch this switch to <b>I</b> can tu the power circulation.	rn on the powe	r supply. Sv	witch it to <b>0</b> to cut off

## Hardware Setup

#### Connect your peripheral devices to suitable ports.

# 🕼 Important

- For detailed instructions on how to connect, please refer to the manuals of your peripheral devices.
- Reference image only. Appearance will vary.

#### Connect the power cord to the system and electrical outlet.

Power Rating

- 750W: 100-240V~, 50-60Hz, 10A
- 850W: 100-240V~, 50-60Hz, 11-5.5A





Switch the power supply switch to I.

# Important

When unplugging the AC power cord, always hold the connector part of the cord. Never pull the cord directly.

Press the power button to power on the system.





# **System Operations**

This chapter provides you with essential information on system operations.



All information is subject to change without prior notice.

## **Power Management**

Power management of personal computers (PCs) and monitors has the potential to save significant amounts of electricity as well as deliver environmental benefits.

To be energy efficient, turn off your display or set your PC to sleep mode after a period of user inactivity.

#### **Power Management in Windows 10**

• [Power Options] in Windows OS allow you to control the power management features of your display, hard drive, and battery. Right-click [Start] **4**, select [Control Panel] from the list and then click [System and Security].



- Select [Power Options] and choose a power plan that suits your personal needs. You may also fine-tune the settings by clicking [Change plan settings].
- The Shut Down Computer menu presents the options of Sleep (S3/S4) & Shut Down (S5) for rapid and easy management of your system power.

#### **Power Management**

The power management feature allows the computer to initiate a low-power or "Sleep" mode after a period of user inactivity. To take advantage of these potential energy savings, the power management feature has been preset to behave in the following ways when the system is operating on AC power:

- Turn off the display after 10 minutes
- Initiate Sleep after 30 minutes

#### Waking the System Up

The computer shall be able to wake up from power saving mode in response to a command from any of the following:

- the power button,
- the network (Wake On LAN),
- the mouse,
- the keyboard.



- Turn off the monitor by pressing the monitor power button after a period of user inactivity.
- Tune the settings in Power Options under Windows OS to optimize your PC's power management.
- Install power saving software to manage your PC's energy consumption.
- Always disconnect the AC power cord or switch the wall socket off if your PC would be left unused for a certain time to achieve zero energy consumption.

## **Network Connection (Windows 10)**

#### Wired Network

- 1. Right-click [Start] **#** and select [Network Connections] from the list.
- 2. Select [Ethernet] and then [Network and Sharing Center].

Settir	ngs		-	×
۲	Home	Ethernet		
Fi	ind a setting $\nabla$	Ethernet		
Net	work & Internet	Ethernet Not connected		
₿	Status			
(A	Wi-Fi	Related settings Change adapter options		
P	Ethernet	Change advanced sharing options		
6	Dial-up	Network and Sharing Center		
980	VPN	HomeGroup		
t}⊳	Airplane mode	Windows Firewall		
(q))	Mobile hotspot	Have a question?		
٢	Data usage	Get help		
	Proxy	Make Windows better		
		Give us feedback		

3. Select [Set up a new connection or network].

	Panel > Network and Internet > Network and Sharing Center
Control Panel Home	View your basic network information and set up connections
Change adapter settings	View your active networks You are currently not connected to any networks.
Change advanced sharing settings	Change your networking settings
	Set up a new connection or network Set up a broadband, dial-up, or VPN connection; or set up a router or access point.
	Troubleshoot problems Diagnose and repair network problems, or get troubleshooting information.

4. Choose [Connect to the Internet] and click [Next].

5. Select [Broadband (PPPoE)] to connect using DSL or cable that requires a user name and password.

	-		×
← ≪ Connect to the Internet			
How do you want to connect?			
Broadband (PPPoE) Connect using DSL or cable that requires a user name and password.			
	,		
Show connection options that this computer is not set up to use			
		Car	ncel

**6.** Type the information from your Internet Service Provider (ISP) and click [Connect] to establish your LAN connection.

Connect to the Intern	et n from your Internet service provider (ISP)		
Type the mormatic			
User name:	[Name your ISP gave you]		
Password:	[Password your ISP gave you]		
	Show characters		
	Remember this password		
Connection name:	Broadband Connection		
	le to use this connection s anyone with access to this computer to use this connection.		
I don't have an ISP			
	Connect	Can	

#### Wireless Network

- 1. Go to [Start] 🔣 click [Settings] and select [Network and Internet].
- 2. A list of available WLAN connections pops up. Choose a connection from the list.
- 3. To establish a new connection, select [Network and Sharing Center].

Related settings
Change adapter options
Change advanced sharing options
Network and Sharing Center
HomeGroup
Internet options
Windows Firewall

- 4. Select [Set up a new connection or network].
- 5. Followingly, choose [Manually connect to a wireless network] and click [Next] to continue.
- **6.** Enter information for the wireless network you intend to add and click [Next] to proceed.

Enter information	for the wireless network you want to add
Network name:	
Security type:	[Choose an option] V
Encryption type:	~
Security Key:	Hide characters
Start this conne	tion automatically
	the network is not broadcasting
Warning: If you	select this option, your computer's privacy might be at risk.

7. A new WLAN connection has been made.

## System Recovery (Windows 10)

The purposes for using the System Recovery Function may include:

- Restore the system back to the initial status of original manufacturer's default settings.
- When some errors have occurred to the operating system in use.
- When the operating system is affected by virus and is not able to work normally.
- When you want to install the OS with other built-in languages.

Before using the System Recovery Function, please back up the important data saved on your system drive to other storage devices.

If the following solution fails to recover your system, please contact the authorized local distributor or service center for further assistance.

#### **Reset this PC**

- 1. Go to [Start] 🚛 click [Settings] and select [Update and security].
- 2. Select [Recovery] and click [Get started] under [Reset this PC] to start the system recovery.



**3.** The [Choose an option] screen pops up. Choose between [Keep my files] and [Remove everything].

Keep my files		
Removes apps and se	ttings, but keeps your personal files.	
Remove everything		
	ersonal files, apps, and settings.	

Reset this PC	Keep my files			
	Remove Only the drive everything where Windows is		Just remove my files	
	everything	installed	Remove files and clean the drive	
		All drives	Just remove my files	
			Remove files and clean the drive	

#### Keep my files

1. Select [Keep my files].

Choose an option	
Keep my files Removes apps and settings, but keeps your personal files.	
Remove everything Removes all of your personal files, apps, and settings.	
	Cancel

2. The [Your apps will be removed] screen shows a list of apps that will need to be reinstalled from the web or installation discs. Click [Next] to continue.

€	Your apps will be removed Many apps can be reinstalled from the Store, but the following apps will need to be reinstalled from the web or installation discs. This list will be saved to the desktop after you reset this PC.
	Next Cancel

**3.** The next screen will show the changes to be made during the process. Click [Reset] to start the system reset.

	esetting will: Remove all ap Change setting Reinstall Wind	s back to thei	r defaults		
Th	his will take a v	hile and your	PC will restart.		
				Reset	Cancel

#### **Remove everything**

1. Select [Remove everything].

Keep my files		
Removes apps and setting	gs, but keeps your personal files.	
Remove everything	nal files, apps, and settings.	
temoves all or your perse	narnics, apps, and settings.	

- 2. If you have multiple hard drives, a screen will pop up, asking you to choose between [Only the drive where Windows is installed] and [All drives].
- 3. Then select between [Just remove my files] and [Remove files and clean the drive].

Remove files and clean the drive This might take a few hours, but will make it harder for someone to recover your	Just remove my files This is quicker, but less secure. Use this if you're keeping the PC.	
	Remove files and clean the drive	
removed files. Use this if you're recycling the PC.		ben

4. The next screen will show the changes to be made during the process. Click [Reset] to start the system reset.

Resetting will remove: • All the personal files and user accounts on this PC • Any apps and programs that didn't come with this • Any changes made to settings	
This will take a while and your PC will restart.	
	Reset

## System Recovery (F3 Hotkey Recovery) (Optional)

#### Precautions for Using the System Recovery Function

- 1. If your hard drive and system encountered non-recoverable problems, please use the F3 Hotkey recovery from the Hard Drive first to perform the System Recover Function.
- 2. Before using the System Recovery Function, please backup the important data saved on your system drive to other storage devices.

#### Recovering the system with the F3 Hotkey

Follow the instructions below to continue:

- 1. Restart the PC.
- 2. Press the F3 hotkey on the keyboard promptly when the MSI greeting appears on the display.
- 3. On the [Choose an Option] screen, select [Troubleshoot].
- **4.** On the [Troubleshoot] screen, select [Restore MSI factory] to reset the system to the default settings.
- 5. On the [RECOVERY SYSTEM] screen, select [System Partition Recovery].
- 6. Follow the on-screen instructions to continue and complete the Recovery Function.

# **Safety Instructions**

- Read the safety instructions carefully and thoroughly.
- All cautions and warnings on the device or User Guide should be noted.
- Refer servicing to qualified personnel only.

## Power

- Make sure that the power voltage is within its safety range and has been adjusted properly to the value of 100~240V before connecting the device to the power outlet.
- If the power cord comes with a 3-pin plug, do not disable the protective earth pin from the plug. The device must be connected to an earthed mains socket-outlet.
- Please confirm the power distribution system in the installation site shall provide the circuit breaker rated 120/240V, 20A (maximum).
- Always unplug the power cord before installing any add-on card or module to the device.
- Always disconnect the power cord or switch the wall socket off if the device would be left unused for a certain time to achieve zero energy consumption.
- Place the power cord in a way that people are unlikely to step on it. Do not place anything on the power cord.
- If this device comes with an adapter, use only the MSI provided AC adapter approved for use with this device.

## Battery

Please take special precautions because this device comes with a battery.

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.
- Avoid disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, which can result in an explosion.
- Avoid leaving a battery in an extremely high temperature or extremely low air pressure environment that can result in an explosion or the leakage of flammable liquid or gas.
- Do not ingest battery. If the coin/button cell battery is swallowed, it can cause severe internal burns and can lead to death. Keep new and used batteries away from children.

#### European Union:



Batteries, battery packs, and accumulators should not be disposed of as unsorted household waste. Please use the public collection system to return, recycle, or treat them in compliance with the local regulations.

Taiwan:



#### 廢電池請回收

For better environmental protection, waste batteries should be collected separately for recycling or special disposal.

#### California, USA:



The button cell battery may contain perchlorate material and requires special handling when recycled or disposed of in California. For further information please visit: https://dtsc.ca.gov/perchlorate/

#### Environment

- To reduce the possibility of heat-related injuries or of overheating the device, do not place the device on a soft, unsteady surface or obstruct its air ventilators.
- Use this device only on a hard, flat and steady surface.
- To prevent fire or shock hazard, keep this device away from humidity and high temperature.
- Do not leave the device in an unconditioned environment with a storage temperature above 60°C or below 0°C, which may damage the device.
- The maximum operating temperature is around 35°C.
- When cleaning the device, be sure to remove the power plug. Use a piece of soft cloth rather than industrial chemical to clean the device. Never pour any liquid into the opening; that could damage the device or cause electric shock.
- Always keep strong magnetic or electrical objects away from the device.
- If any of the following situations arises, get the device checked by service personnel:
  - The power cord or plug is damaged.
  - Liquid has penetrated into the device.
  - The device has been exposed to moisture.
  - The device does not work well or you can not get it working according to the User Guide.
  - The device has dropped and damaged.
  - The device has obvious sign of breakage.

# **Regulatory Notices**

## **CE Conformity**

Products bearing the CE marking comply with one or more of the following EU Directives as may be applicable:

# CE

- RED 2014/53/EU
- Low Voltage Directive 2014/35/EU
- EMC Directive 2014/30/EU
- RoHS Directive 2011/65/EU
- ErP Directive 2009/125/EC

Compliance with these directives is assessed using applicable European Harmonized Standards.

The point of contact for regulatory matters is MSI, MSI-NL Eindhoven 5706 5692 ER Son.

## Products with Radio Functionality (EMF)

This product incorporates a radio transmitting and receiving device. For computers in normal use, a separation distance of 20 cm ensures that radio frequency exposure levels comply with EU requirements. Products designed to be operated at closer proximities, such as tablet computers, comply with applicable EU requirements in typical operating positions. Products can be operated without maintaining a separation distance unless otherwise indicated in instructions specific to the product.

# Restrictions for Products with Radio Functionality (select products only)



CAUTION: IEEE 802.11x wireless LAN with 5.15~5.35 GHz frequency band is restricted for indoor use only in all European Union member states, EFTA (Iceland, Norway, Liechtenstein), and most other European countries (e.g., Switzerland, Turkey, Republic of Serbia). Using this WLAN application outdoors might lead to interference issues with existing radio services.



CAUTION: Fixed outdoor installations for WiGig application (57~66 GHz frequency band) are excluded in all European Union member states, EFTA (Iceland, Norway, Liechtenstein), and other European countries (e.g., Switzerland, Turkey, Republic of Serbia).



Radio frequency bands and maximum power levels		
Features	802.11 a/b/g/n/ac, BT	
Frequency Range	2.4 GHz, 5 GHz	
Modulation	FHSS, DSSS, OFDM	
Power Output	10, 20, 23	
Channel Bandwidth	1, 5, 20, 40, 80 MHz	

## FCC-B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if



not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the measures listed below:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

#### Notice 1

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### Notice 2

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

#### **MSI Computer Corp.**

901 Canada Court, City of Industry, CA 91748, USA

(626) 913-0828

www.msi.com

## WEEE Statement

Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2012/19/EU, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.



## **Chemical Substances Information**

In compliance with chemical substances regulations, such as the EU REACH Regulation (Regulation EC No. 1907/2006 of the European Parliament and the Council), MSI provides the information of chemical substances in products at: https://storage-asset.msi.com/html/popup/csr/evmtprtt\_pcm.html

## **RoHS Statement**

#### Japan JIS C 0950 Material Declaration

A Japanese regulatory requirement, defined by specification JIS C 0950, mandates that manufacturers provide material declarations for certain categories of electronic products offered for sale after July 1, 2006.

https://storage-asset.msi.com/html/popup/csr/cemm\_jp.html

#### India RoHS

This product complies with the "India E-waste (Management and Handling) Rule 2011" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

#### **Turkey EEE Regulation**

Conforms to the EEE Regulations of the Republic Of Turkey

#### **Ukraine Restriction of Hazardous Substances**

The equipment complies with requirements of the Technical Regulation, approved by the Resolution of Cabinet of Ministry of Ukraine as of December 3, 2008 № 1057, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

#### Vietnam RoHS

As from December 1, 2012, all products manufactured by MSI comply with Circular 30/2011/TT-BCT temporarily regulating the permitted limits for a number of hazardous substances in electronic and electric products.

## **Green Product Features**

- Reduced energy consumption during use and stand-by
- Limited use of substances harmful to the environment and health
- Easily dismantled and recycled
- Reduced use of natural resources by encouraging recycling
- Extended product lifetime through easy upgrades
- Reduced solid waste production through take-back policy

## **Environmental Policy**

- The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.
- Visit the MSI website and locate a nearby distributor for further recycling information.



## **Upgrade and Warranty**

Please note that certain components preinstalled in the product may be upgradable or replaceable by user's request. For any further information about the product users purchased, please contact the local dealer. Do not attempt to upgrade or replace any component of the product if you are not an authorized dealer or service center, since it may cause the warranty void. It is strongly recommended that you contact the authorized dealer or service center for any upgrade or replace service.

## **Acquisition of Replaceable Parts**

Please be noticed that the acquisition of replaceable parts (or compatible ones) of the product users purchased in certain countries or territories may be fulfilled by the manufacturer within 5 years at most since the product has been discontinued, depending on the official regulations declared at the time. Please contact the manufacturer via https://www.msi.com/support/ for the detailed information about the acquisition of spare parts.

## **Copyright and Trademarks Notice**

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## **Technical Support**

If a problem arises with your system and no solution can be obtained from the user's manual, please contact your place of purchase or local distributor. Alternatively, please try the following help resources for further guidance. Visit the MSI website for technical guide, BIOS updates, driver updates and other information via https://www.msi.com/support/

