S640 Series
Simple User's Guide Rev 1.0

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Thank you for supporting environmental protection and energy saving!

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P/N: Y5PF-A61866-00

Package Checklist

Thank you for choosing our products. Before using your product, please make sure your packaging is complete, if there have been damaged or you find a y shortage, please contact your agency as soon as possible.

- ☐ The Machine x 1
- ☐ WiFi antennas x 2
- ☐ Simple User's Guide x 1
- ☐ Driver CD x 1 (Optional)

Product Configu ation

Processor	- Intel® Whiskey Lake-U, TDP 15W
Memory	- 2 x SO-DIMM DDR4,Max. 32GB
Storage	- 1 x M.2 KEY M 2280 SATA SSD(SATA/NVME) - 1 x M.2 KEY B 2242 SSD
Graphics	- Intel® HD Graphics 6series
Network	- Intel Gigabit Ethernet
Audio	- Realtek ALC662 HD Audio IC
Dispaly Connectors	- 1 x HDMI 2.0
WIFI/BT	- 1 x M.2 2230 WIFI/BT Module
3/4G	- 1 x SIM card
USB Connectors	- 2 x USB3.1 Gen2 Type-A - 1 x USB3.0 Type-A - 1 x USB2.0 Type-A - 1 x USB3.1 Type-C (CC)
JAE 80-pin	- 1 x HDMI2.0 out - 3 x USB2.0 - 1 x USB3.0 - 1 x UART TTL
Power input	- 12-19V DC IN
Dimensions	- 119(L) x 180(W) x 30(H) mm
Operating systems	- Windows 10, Linux(Optional)

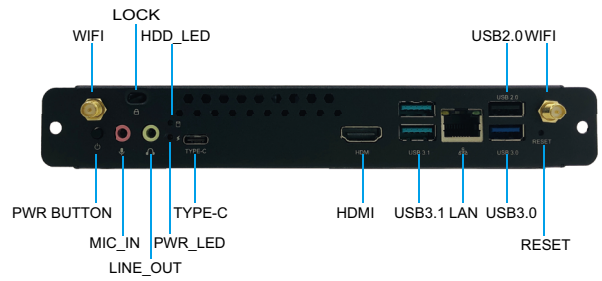
Security Tips

For using computer safely and effectively, please read the following carefully before using:

- To avoid electric shock or product damage, each time you connect (not Plug-and-play) devices, please turn off the AC power.
- Avoid using this product under temperature is too high or too low (Required temperature is as following: Storage temperature: -20~70 Celsius; Operating temperature: -5~45 Celsius; humidity: 10%~95%).
- Do not use a damp cloth to clean your computer and prevent liquid dropping into the computer causing burns.
- In order to avoid frequently switching the machine to cause unnecessary damage to the product, after shutting down, you should wait at least 30 seconds for power-on again.
- To prevent product damage and malfunction, avoid strong shock and vibration to the product.

External View

Rear IO



Note: This illustration is for reference only, which may be defferent from the material object.
The defin tion of all the jumpers and sockets which are marked in the above picture, please refer to the following "Interface Instructions" part.

Interface Instructions (Please refer to the "*External View*" above)

- MIC_IN: This jack is used to connect an external microphone
- LINE_OUT: This jack is used to connect to the front left and right channel speakers of the audio system
- HDMI2.0: High-defin tion multimedia display interface, backwards compatibility HDMI1.4
- USB2.0: USB 2.0 connectors, backwards compatibility USB 1.1
- USB3.0: USB 3.0 connector, backwards compatibility USB 2.0/1.1
- LAN: RJ-45 Ethernet network connector
- PWR BUTTON: Pressing the power button, the machine will turn on
- PWR_LED: Power indicator light
- HDD_LED: HDD indicator light
- RESET: Reset button
- WIFI: WiFi antenna interface
- USB3.1 Type-C: Type-C connector
- USB3.1 Gen2 Type-A: USB 3.1 connector, backwards compatibility USB 3.0/2.0
- LOCK: LOCK button
- SIM: SIM card slot
- JAE: 80 PIN Extension Port
- DCIN: DC Power interface

BIOS Common Function

The following scenario you need to run the BIOS Setup program:
a. The System self-test error message appears on the screen, and enter the BIOS Setup;
b. Based on customer characteristics you want to change the factory default settings.
Describes the features common to sections below for BIOS only.

Note: since the Board's BIOS version is continually upgraded so in this manual for a description of BIOS is for informational purposes only, we do not guarantee that this guide related content and consistency of your information.

Enter the BIOS Setup program

Please open the computer, post pictures you can see this information:

Press <DEL> to enter Setup,<F11>to popup menu

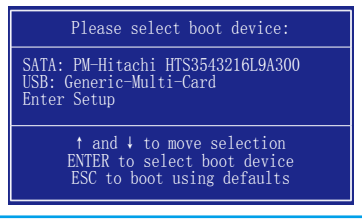
At this point, press the (DEL) key to enter the BIOS Setup program, if you respond to the prompt before disappearing, and you still want to enter the program, turn off the computer and then restart the system open, or press (Crtl) + (Alt) + (Del) key to reboot.

Start programs shortcut settings menu

Turn the power on or reboot the system, post the picture you can see the following information:

Press <DEL> to enter Setup,<F11>to popup menu

Press the "F11" key will pop up menus as shown in the figu e below, directly press the up and down arrow keys to their provisional designation needed to start the device, without the need to enter the BIOS Setup.



FCC compliance statement
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

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 instructions, 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 following measures:
-- 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/TV technician for help.

FCC Radiation Exposure statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas

Frequency bands and Maximum output power for EU:
5G Wi-Fi:5150~5825MHz @19.80dBm
BT:2402~2480MHz @9.12dBm
2.4G Wi-Fi:2412-2472MHz @19.96dBm

BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR
LV	LT	LU	HU	MT	NL	AT	PL	PT	RO
SE	TR	NO	CH	IS	LI	HR	IT	CY	SI
SK	FI	UK(NI)							