

TABLET COMPUTER

DS11

USER'S GUIDE
(Preliminary Version)

Notice

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Revision History:

Revision	Date	Changes	Author
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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 & your body.

Regulatory Information/Disclaimers

Installation and use of this computer must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution of the connecting cables and equipment other than manufacturer specified. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failing to comply with these guidelines.

FCC (Federal Communications Commission) Statement

This equipment has been tested and found to comply with the limits for a Class-B digital device pursuant 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 radiates radio frequency energy. If not being installed and used in accordance with the instructions, it 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:

- Re-orient 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.

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.
- This device must accept any interference received, including interference that may cause undesired operation.



FCC Caution:

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

CE

Products with the CE Marking comply with both the EMC Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms:

EN55022 CISPR 22 Radio Frequency Interference

EN55024 EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61000-3-2, EN61000-3-3, Generic Immunity Standard

LVD EN 60950-1:2006+A11:2009+A1:2010+A12 :2011+A2:2013

R&TTE (CE) Manual Regulatory Requirement

WLAN - IEEE 802.11a/b/g/n

802.11a/b/g/n Restrictions:

European standards dictate maximum radiated transmit power of 100mW EIRP and frequency range 2.400-2.4835 GHz.

CE Declaration of Conformity



It is confirmed to comply with the requirements set out in the Council Directive on the approximation of the laws of the member states relating to Electromagnetic Compatibility (2004/108/EC), Low-voltage Directive (2006/95/EC), the Amendment Directive (93/68/EEC), and the procedures given in European Council Directive (99/5/EC and 2004/108/EC).

The equipment was passed, and the equipment test was performed according to the following European standards:

EN 300 328 V1.8.1 (2012)

EN 301 893 V1.7.1 (2012)

EN 301 489-1 V1.9.2 (2011)

EN 301 489-3 V1.6.1 (2013)

EN 301 489-17 V2.2.1 (2012)

EN300440-1 V1.6.1 2010

EN300440-2 V1.4.1 2010

UL, TÜV

AC Adapter (TÜV includes **LVD EN60950**)

Power Conservation

This tablet computer consumes less power compared to conventional consumer computers. The power consumption may be further reduced by properly configuring the Power Management Setup.

It is recommended that the power saving features be enabled even when not running on battery power. Power Management features can conserve power without degrading system performance.

Power Safety

There are specific power requirements for your tablet computer:

- Only use an approved AC adapter designed for this tablet computer.
- There is a 3-prong grounded plug for the AC adapter. The 3rd prong is an important mechanism for ensuring product safety. Please do not neglect the importance of this mechanism. If you are unable to access a compatible outlet, please hire a qualified electrician to install a compatible outlet for you.
- When unplugging the AC power cord, please make sure to disconnect the cord by pulling from the plug head instead of pulling from the wire to prevent wire damage.
- Make sure the power outlet and any other extension cord(s) you use can support the total current load of all the connected devices.
- Before cleaning the tablet computer, please make sure it is disconnected from any external power source.



Warning

Before any upgrade procedures, make sure the power is turned off, and all the cables are disconnected (including telephone lines). Also, it is advisable to remove your battery to prevent your tablet computer from accidentally turning on.

Battery Precautions

- Only use batteries designed for this tablet computer. Using incompatible battery types may cause explosion, leakage or damage to the computer.
- Do not remove the battery from the computer while the computer is powered on.
- Do not continuously use a battery that has been dropped, or that appears damaged (e.g. bent or twisted) in any way. Even if the computer is able to continuously work with a damaged battery, the circuit damage may occur and possibly cause fire.
- Always use the charger designed for this computer to recharge the battery. Incorrect recharging may cause the battery to explode.
- Do not try to service a battery by yourself. For battery service or replacement, please contact your service representatives.
- Please dispose of damaged battery promptly and carefully. Explosion or leakage may occur, if the battery is exposed to fire, improperly handled or discarded.



Battery Disposal & Caution

The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its service life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal. Danger of explosion may possibly occur, if the battery is incorrectly replaced. Replace only with the same or the equivalent battery recommended by the manufacturer. Discard the used battery according to the manufacturer's instructions.

Environmental Information, Material Safety & Recycling

All materials used in the manufacturing of this equipment are recyclable or environmentally friendly. Please recycle the packing materials in accordance with local regulations at the end of the product's service life.

Notice:

- The equipment may contain insignificant amount of hazardous substances for health and environment below control level.
- To avoid spreading such substances into the eco system and to minimize the pressure on the natural environment, you are encouraged to reuse or recycle most of the materials in a safe way after the product's service life.
- For more information on collection, reuse and recycle of materials, please consult local or regional waste administrations for more information. You can also contact your dealer for more information on the environmental details of the equipment.
- The symbol of the crossed out wheeled bin indicates that the product (electrical and electronic equipment) should not be placed in municipal waste. Please check local regulations for disposal of electronic products.



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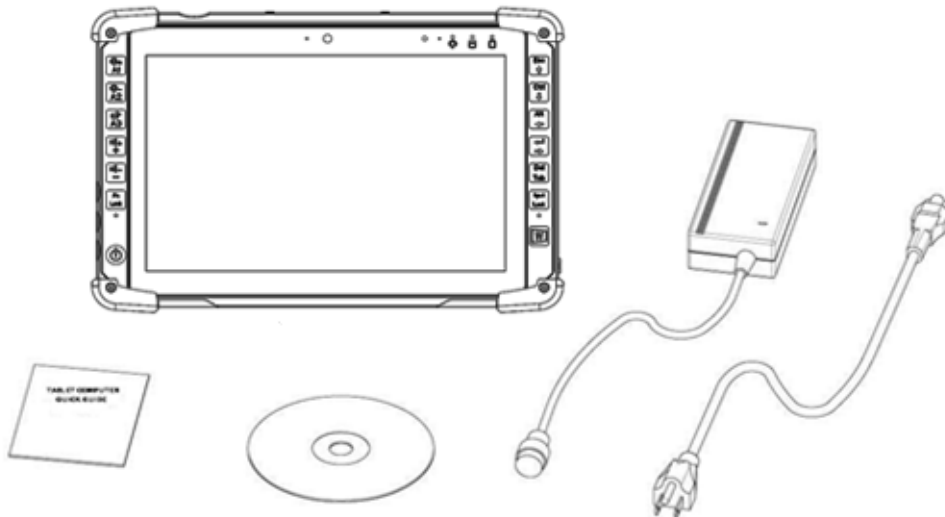
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Chapter 1 - Getting Started

Unpacking

The following components come with your computer. If anything is missing or damaged, please notify the dealer immediately.

- Computer unit
- AC Adapter
- AC Power Cord
- Utility DVD
- Quick Guide
- Carrying Bag

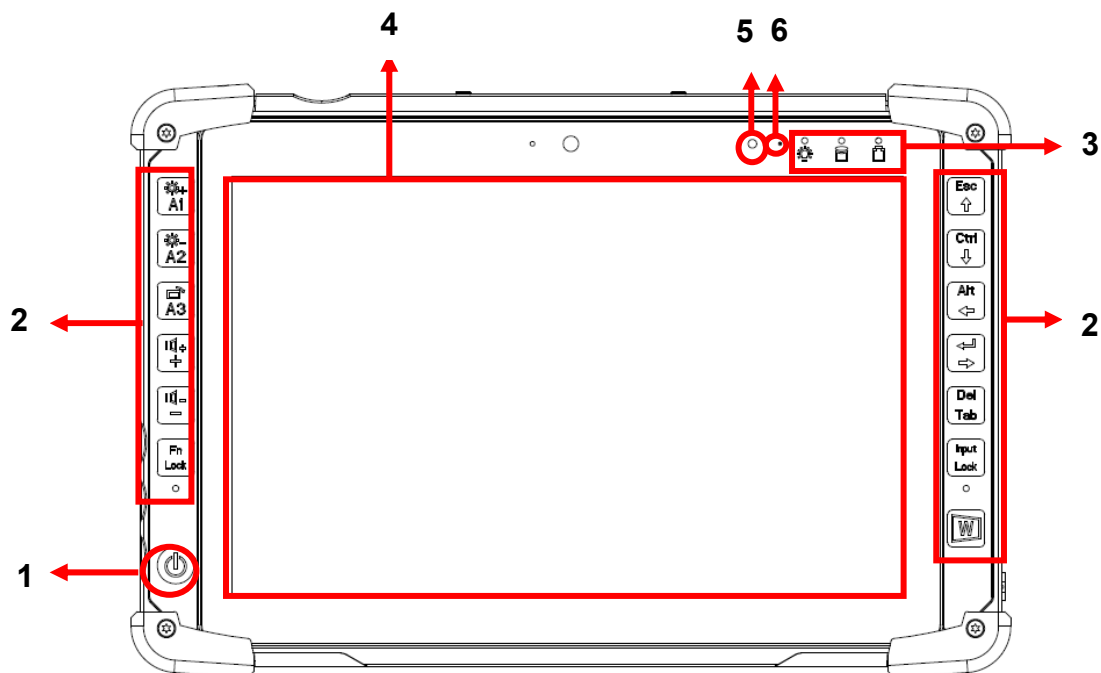


Appearance Overview

Note:

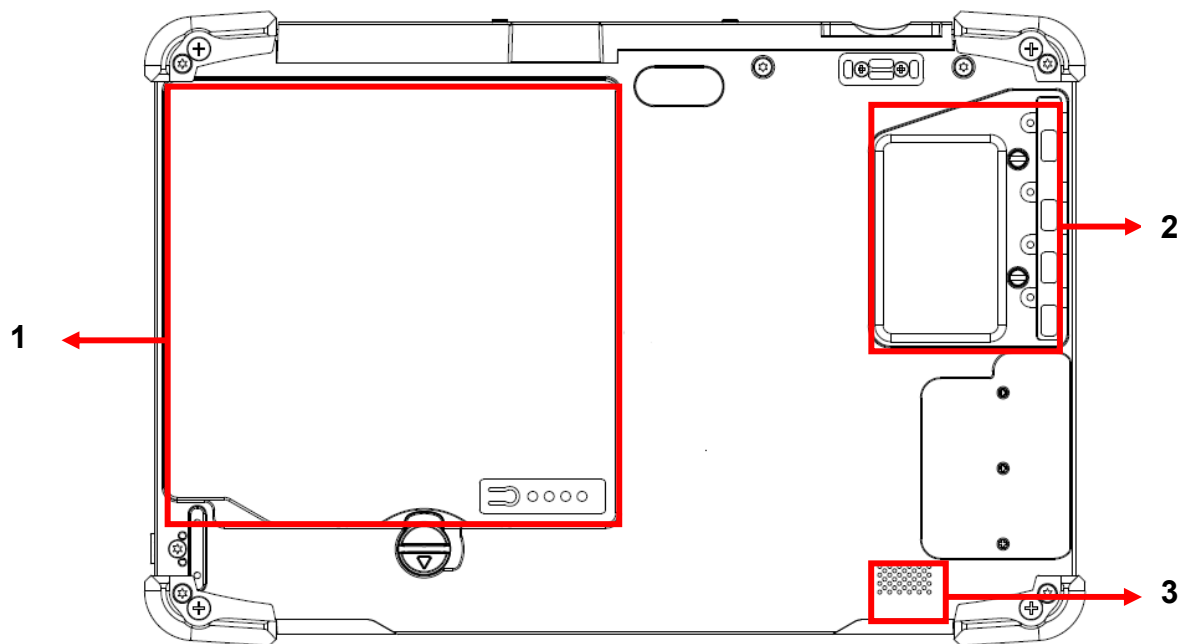
- The following illustrations show the tablet mounted on optional devices, which may not appear on your devices.

Front

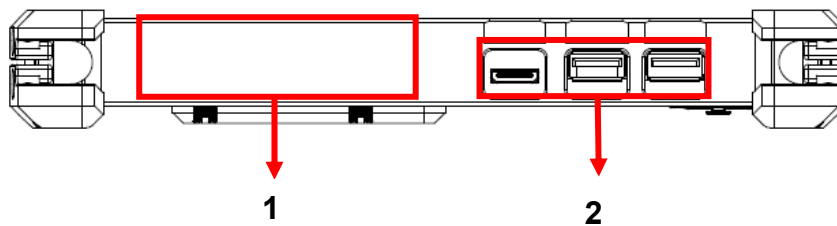


1. Power Button
2. Function keys & Input Lock Key (Please refer to “Using Indicators and Keyboard” for more details)
3. LED Indicators
4. Touch Screen
5. Light sensor
6. Embedded digital Mic

Rear



1. Removable battery pack
2. Removable mSATA SSD
3. HD Audio & mono Speaker

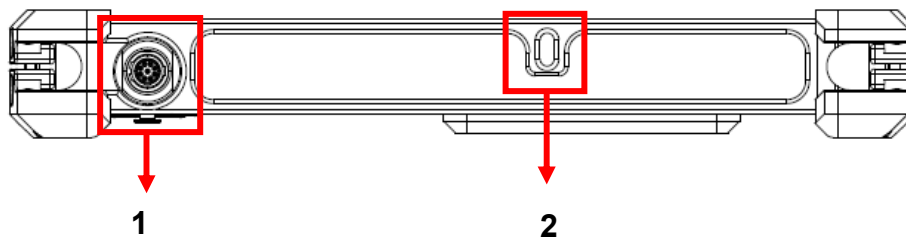
Left

1. Optional Fischer I/O
2. Standard: Mini HDMI x 1/USB3.0 x 2

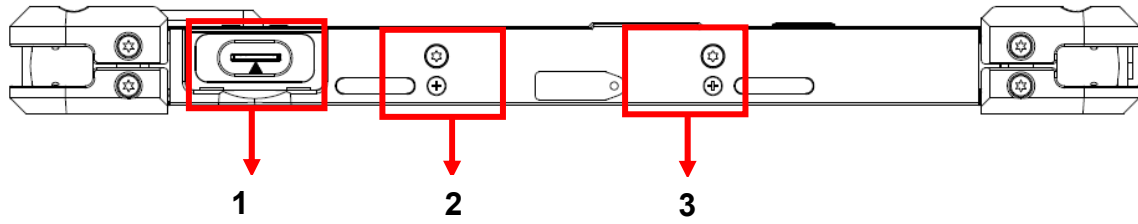
Optional:

- GLAN x 1/Mini DisplayPort x 1/USB3.0 x 1
- GLAN x 1/Mini HDMI x 1/USB3.0 x 1

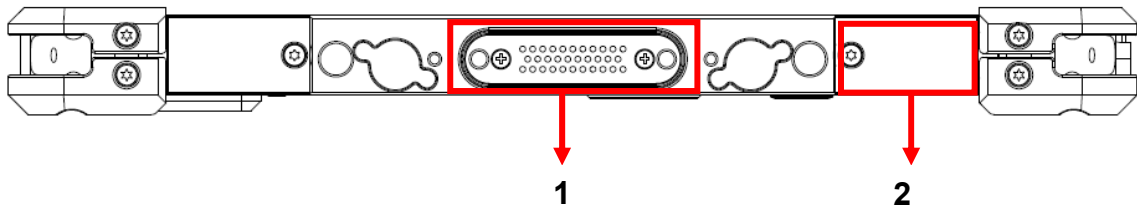
Right



1. DC-In 12~32V with BVA
 - Default: Fischer 3-pin connector
2. Kensington cable lock slot

Top

1. Micro SD Card Slot
2. Optional Built-in Wi-Fi Antenna
3. Optional Built-in GPS Antenna

Bottom

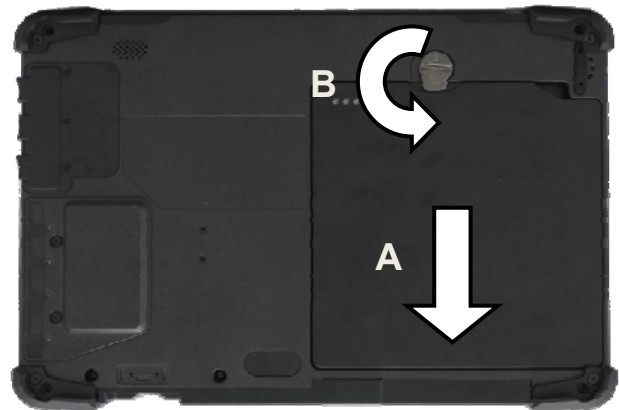
1. Docklight connector
2. Optional Built-in Wi-Fi/BT Antenna

Ready for Use

After taking a quick look at your tablet computer, the following illustrations will get you ready for using it.

1. Mounting the Battery

- A. Mount the battery into the battery bay.
- B. Turn the battery lock counter-clockwise and lock firmly with a flat-head screwdriver or a coin.



2. Connecting the AC Adapter



- A. Insert the DC Jack firmly.



- B. Plug the AC cord into the AC adapter.
- C. Plug the AC power plug into an electrical outlet.

3. Turning ON the Power

- A. Make sure the battery is securely mounted. Connect all power cords properly.
- B. Turn on the power of your tablet computer by pressing and holding the **Power Button** (approx. 2 seconds) until the **SSD/ Heater Indicator** lights on.



Note:

- *The power is able to turn ON without any battery mounted once all the power cords are connected.*

4. Turning Off the Power

Directly tap “Shut down” from your OS to turn OFF the power of your tablet computer. If your tablet computer stops responding, press and hold the power button for 4~5 seconds to “Force Shut down” your tablet computer.

Note:

- *Directly turning off the power of your tablet computer by “Force Shut down” will cause all unsaved data to be lost and is not recommended.*

Chapter2 - Operating Information

Start Using Your Tablet Computer

Always turn on your tablet computer by using the power button. This is the standard operating procedure to start using your tablet computer. After turning on the power of your tablet computer, it will start with the Operating System (OS) installed.

Boot Up

When you turn on the power, your computer will start to load the OS into the system memory. This start-up procedure is called “boot up”.

Power On Self-Test (POST)

Each time your computer is turned on, the BIOS will automatically perform a self-test of CPU, memory, hardware devices, and so on.

Stop Using Your Tablet Computer

Each time when you finish working with your tablet computer, there are several ways to stop your tablet computer from operating.

Shut down

Directly click “Shut down” from your OS to turn OFF the power of your computer. Before shutting down, please do remember to save unfinished works and close your applications to prevent your SSD from suffering possible data loss or damage. “Shut down” will turn OFF power of your computer. If you want to start your computer again, you need to turn it ON again by pressing the power button.

Sleep

Under “Sleep” mode, the system will temporarily save your work into the computer’s RAM. If you want to start your computer again, please press the power button to resume. Under Windows 8, you can enter this mode by directly clicking:

Move your mouse to the upper-right or lower-right corner of the screen, and then click “Settings” => Click “Power” => Click “Sleep”.

Hibernate

Under “Hibernate” mode, the system will save your work into SSD. If you want to start your computer again, you need to press and hold the power button (approx. 2 sec.) until the SSD/Heater indicator lights on. Under Windows 8, you can enter “Hibernate” mode by directly clicking:

Move your mouse to the upper-right or lower-right corner of the screen, and then click “Settings” => Click “Power” => Click “Hibernate”.

Force Shut Down

In the event that your tablet computer hangs or stops responding, you can perform a force shut down by pressing and holding the power button for 4~5 seconds. Please note that any unsaved work or data will be lost this way.

Working with Power Button (Heater Kit)

Your tablet computer is equipped with a heater kit to enable work under low temperature. The heater will heat up the HDD to the temperature set by the user before booting the system. Also, the heater will constantly monitor HDD temperature. Once the temperature becomes lower, the heater will heat up again to maintain the temperature set by user.

Note:

- When ambient temperature is under +5 °C (the default setting for your tablet computer), the system may not boot up immediately. System will beep with HDD LED light flashing orange to indicate that the heater is in operation. The LED will blink faster as the HDD temperature approaches operational temperature. After 5~15 minutes, the system will boot up automatically.
- In emergency situations, you can skip the heating process by pressing and holding the power button for 9~11 seconds then release. The speaker will beep with a special sound to signify that the heating process has been skipped (Please note that not all devices are guaranteed to work properly in this case).
- Press the power button again during the heating process will shut down the computer.

The following is a list of functions associated with your tablet computer's power button:

1. Press and hold for 12 seconds, then release:
USB port is enabled and you can set a new value in Heater AP.
2. Press and hold for 9 ~ 11 seconds:
The system will skip heating process and force boot up.
3. Press and hold for 5 ~ 8 seconds:
Enable/Disable the sound of Heater.
4. Press and hold the power button for 4 seconds under OS:
Shut down the system.
5. Press the power button:
 - a. Power on the system.
 - b. Force Shut Down (If pressed while the heating process is underway).
 - c. Sleep/Hibernate (Dependent on OS settings).

Installing Operating System

Your computer is designed to operate with Microsoft Windows 7 or Windows 8 32 / 64-bit Operating System. Please connect your computer with an external USB-interface drive to start the OS installation.




Note:

- *A USB hub may be required during installation to connect with an external USB-interface ODD, as the System USB port may not supply enough power. Please connect your USB hub with extra power supply to complete the installation.*

Using Buttons and Indicators

Your tablet computer is designed with backlight buttons for easy and quick operations. Also, each LED indicator shows different meanings. The description of each LED indicator and button functions are provided for your operational reference.






LED Indicators

LED Indicator	Description
	Power/ S3 Indicator: Green/ Flashing Green
	mSATA SSD/ Heater Indicator: Green/ Orange
	Charger/ Battery Low Indicator: Orange/ Flashing Orange

1st Layer buttons

Before using the functions of 1st layer buttons, please make sure that the [Fn Lock] indicator is OFF.

A list of functions of 1st layer buttons is provided below for operational reference:

Button	Description
	Increase brightness
	Decrease brightness
	Turn the screen clockwise
	Increase volume
	Decrease volume
Esc	For functions such as cancel or interrupt running programs, or for BIOS Selection
Ctrl	Press and hold Ctrl with other keys for combination key functions
Alt	Press and hold Alt with other keys for combination key functions
Enter	Command for operation
Del	The function of deletion

2nd Layer Buttons

To perform 2nd layer buttons (functions printed in **blue** on buttons), press the **[Fn Lock]** button first, and the Fn Lock indicator will be on, and then press the buttons you would like to perform.

A list of functions on 2nd layer button is provided below for operational reference:


Button	Description
[A1]:	Windows 8.1: Default: Simulate right click the mouse on the start button Windows 7: Default: Windows Mobility Center
[A2]:	Default: Open the Ease of Access Center
[A3]:	Default: Enter into Lock Screen
Plus (+) Sign	For BIOS value change or other "plus" functions
Minus (-) Sign	For BIOS value change or other "minus" functions
Up Arrow (↑) Key	For BIOS Select or other "move up" options
Down Arrow (↓) Key	For BIOS Select or other "move down" options
Left Arrow (←) Key	For BIOS Select or other "move left" options
Right Arrow (→) Key	For BIOS Select or other "move right" options
Tab	Tabulation

Note:

- When press Fn Lock key, you can only perform the functions printed in blue

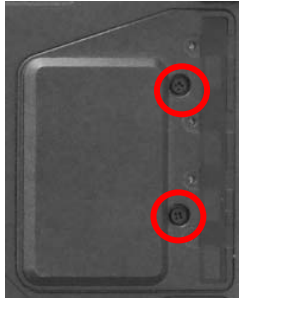

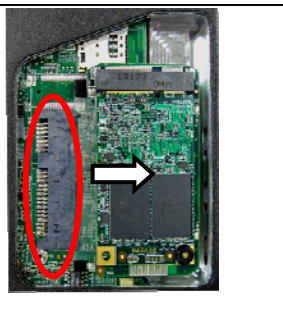
Input Lock key

To prevent from unexpected input by buttons and touch screen, you can press Input Lock key. When Input Lock function is on, the input from devices including buttons and touch screen will be locked. To cancel the input lock function, just press the Input Lock key again and the indicator will be turned off.

	<ol style="list-style-type: none">1. Press the Input Lock key (as the rectangle one)2. Input Lock Indicator will light on (as the circled one)3. Press the Input Lock key again to cancel the function.
--	---

Using mSATA SSD

Your tablet is equipped with removable mSATA SSD for data storage. The mSATA SSD is user removable for convenience. It can **ONLY** be removed while power is **OFF**. To remove the mSATA SSD module, please follow the steps below:

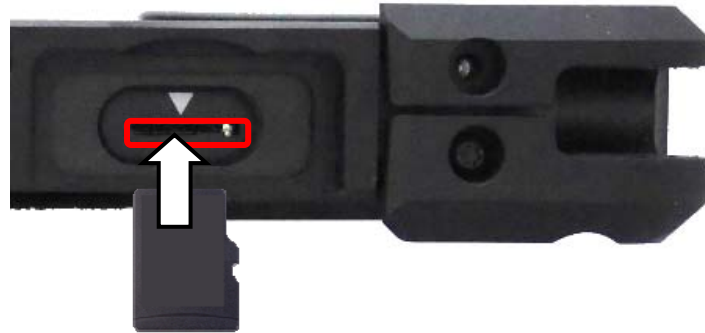
1. Loosen the screws on Back Door Cover, and then remove the cover.	
2. Hold the two ends of the mSATA SSD module.	
3. Remove the mSATA SSD module from the connector.	

Note:

- Do not expose mSATA SSD directly to high temperature, high humidity, and other hazardous environment. NEVER try to disassemble the module. Static discharge may destroy your device and data.

Using micro SD Cards

Your tablet computer is equipped with a micro SD card slot. The slot supports SDHC, SDXC, UHS-1 type micro SD cards. To avoid damages caused by misinsertion, please insert your micro SD card into the card slot properly with the connectors facing **down**, as shown below.



Intel® Rapid Start Technology

Your tablet computer can operate Intel® Rapid Start Technology when SSD is installed. This technology enables your system resume time not only to be as fast as wake-up time from S3 (Sleep) mode, but also to be more energy saving.

Before using Intel Rapid Storage Technology, please check the following system requirements:

System Requirement:

- Intel QM77 Express Chipset-based desktop board
- Intel Ivy Bridge i7-3667U
- Solid State Drive (SSD)
- Operating system
 - Microsoft Windows 7 or 8 (32- or 64-bit edition) in Legacy mode
 - Microsoft Windows 7 or 8 (64-bit edition) in UEFI mode

Note:

- *Intel® Rapid Storage Technology Driver should be installed and can be found in Utility DVD.*
- *Please refer to the User Guide from Intel official website for setting up the function. There are two kinds of User Guide, “Intel® Rapid Start Technology User Guide for UEFI Mode” and “Intel® Rapid Start Technology User Guide.” The former is for UEFI mode, while the latter is for legacy mode.*
- *Please remember to enable Rapid Start Technology from BIOS Advanced Menu.*
- *To cancel the Rapid Start Technology, please disable the function from BIOS Advanced Menu.*

Operating Wireless Devices

For your ease of operations, you can turn on/off your wireless devices through the proprietary software application - “**Device Power Manager**”.

Note:

- *Depending on the configuration of your tablet computer, your Device Power Manager menu may appear differently from the screenshots provided in this section.*
- *When you adjust User Account Control (UAC), a security feature in Windows, the setting value of Device Power Manager will be affected. So, once there is any adjustment on UAC, please uninstall Device Power Manager and reinstall it again.*

Bluetooth (Option)

The Bluetooth module provides your tablet computer with a short-range wireless communication protocol to connect with other compatible devices via the pre-installed embedded antenna. To activate your Bluetooth functions, please follow the instructions below.

1. Driver & Application Installation

- a. Install the Bluetooth driver first. Read from the Utility DVD and find the directory listed in the readme file to finish installation.
- b. Install the Device Power Manager application. Read from the Utility DVD and find the directory listed in the readme file to finish installation.

2. Launch the Device Power Manager

After launching the utility, please tap “Bluetooth” to enable the Bluetooth function (tap again to disable). Once the Bluetooth function starts up, the wireless LED indicator (color blue) will turn on and the Bluetooth icon will show up in the operating system accordingly.

Once the Bluetooth function starts up, the wireless device LED indicator will turn on (color blue) and the Bluetooth icon will appear in the OS accordingly.

Wireless LAN (Option)

Wireless LAN is an optional wireless communication module for your tablet computer. An embedded antenna will be pre-installed in your tablet computer to access the internet wirelessly. To activate your Wireless LAN function, please follow the illustrations below:

1. Driver & Application Installation

- a. Install the Chipset Driver first. Read from the Utility DVD and find the directory listed in the readme file to finish installation.
- b. Then, install the Device Power Manager application. Read from the Utility DVD and find the directory listed in the readme file to finish installation.

2. Launch the Device Power Manager

After launching the utility, please tap “Wireless LAN” for enabling the Wireless LAN function (tap again to disable).

Once the Wireless LAN function starts up, the wireless device LED indicator will turn on (color blue) and the Wireless LAN icon will appear in the OS accordingly.

GPS (Option)

GPS is an optional module for your tablet computer. This GPS module supports both GPS and GLONASS systems. An embedded antenna is pre-installed in your tablet computer to support the functions of your GPS and GLONASS.

1. Driver & Application Installation

- a. Install the Device Power Manager application:
Read from the Utility DVD and find the directory listed in the readme file to finish installation.

- b. Install the GPS driver:
GPS (Driver): Read from the Utility DVD and find the directory listed in the readme file to finish installation.

2. Navigation & Mapping Software Installation

Please install your 3rd party navigation and mapping software after installing your GPS driver. Refer to your navigation and mapping software manual for installation and procedures on application setup and access. Once the GPS function starts up, the wireless device LED indicator will turn on (color blue).

Chapter3- Managing Power

AC Adapter

The AC adapter performs two functions:

- It powers the computer from an external AC source.
- It charges the computer battery.

The adapter automatically detects the AC line voltage (110V or 220V) and adjusts accordingly.

The following are recommended when using the AC adapter:

- Use a properly grounded AC outlet.
- Use one AC outlet exclusively for the computer. Having other appliances on the same line may cause interference.
- Use a power strip with built-in surge protection.

Connect the AC adapter:

- Plug the AC cord to the adapter.
- Plug the other end of the AC cord into the wall outlet. Make sure the green LED on the adapter turns on.
- Attach the DC plug into the power jack of the computer; turn the lock ring clockwise to secure it.

AC Adapter Indicator

The green LED indicates that AC power is ready.

Battery

The computer will automatically switch to battery when the external power source (AC adapter or optional vehicle adapter) is disconnected.

Battery Power Saving Tips

The computer comes with an intelligent power-saving feature. You may extend the battery life by:

- Setup power saving functions in Operating System Power Management options (e.g. Windows Power Options).
- Lower the intensity of the display by brightness control.
- Turn the computer into standby (by Sleep or Power button) when it is temporarily not in use.
- Shut down the computer when it will not be in use for longer period of time.

Battery Low

When the battery is nearly exhausted, the computer gives the following “Battery Low” warnings:

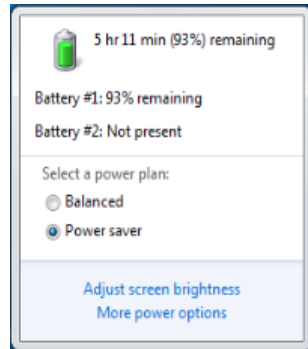
- Windows battery low warning.
- The power LED flashes.


Once the “Battery Low” warning occurs, please:

- Save and close the files you are currently working on then shut down the computer.
- Plug in AC or vehicle adapter to recharge the battery.

Battery Level

You may check battery status from Operating System. In Windows, you can click the power/battery icon to reveal the battery gauge window. The following is the illustration of Battery Gauge in Windows OS.



An alternative way to check the battery level is by viewing the battery gauge on the battery pack. By pressing the  button, indicators will be on. The more indicators are on, the more power remains in the battery. In other words, if the capacity of the battery pack is full, all indicators will be on, and if the capacity is nearly drained, all indicators will be off.



Note:

- *Battery characteristic varies depending on factors such as ambient temperature, charging method, load current, aging, etc. For example, the chemicals of the battery are more inactive at low temperature, thus decreases the output power.*
- *The battery gauge should only be used as a reference. Please do not expect it to show the exact amount of the power remaining. There is no memory effect on Lithium Ion battery cells. However, discharge the battery to nearly empty every month will help calibrating the internal gauge.*

ACPI Support

Your computer supports ACPI (Advanced Configuration and Power Interface) for power management. With ACPI and an ACPI-compliant operating system (such as Microsoft Windows), this feature will allow you to reduce the power consumption and conserve energy. By supporting ACPI, the AC adapter LED and the Power indicator LED will show in different ways. The followings are detailed descriptions of LED indicators and their meanings:

Sleep:

AC adapter LED is ON (while connecting with power)
Power LED indicator is flashing; other LED indicators are OFF

Hibernate:

AC adapter LED is ON (while connecting with power)
Power LED indicator is OFF; other LED indicators are OFF

Shut down:

AC adapter LED is ON (while connecting with power)
Power LED indicator is OFF; other LED indicators are OFF

USB Fast Charging

Your tablet supports USB fast charging feature, enabling to quickly charge your fast-charging compatible devices. But note, fast charging is not supported in every power mode. The following table shows details for USB Charging information:

Mode		USB 3.0 Charging Features
Power off	AC	Fast charging supports
	Battery	No charging
Power on	AC	Normal charging
	Battery	Normal charging
S3	AC	Fast charging supports
	Battery	Fast charging supports

Chapter 4 - BIOS Setup

Press **[F2] + [Delete]** at boot up to enter BIOS setup. Use arrow keys to select options and **[+/-]** to modify them. When finished, move to “**Exit**” and press **[Enter]** then confirm save by pressing **[Y]**.

Main Menu

Aptio Setup Utility					
Main	Advanced	Chipset	Boot	Security	Save & Exit
BIOS Information BIOS Vendor Core Version Compliance Project Version Build Date and Time EC Version				Choose the system default language	
System Language [English]				→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit	
System Date [Wed 06/19/2013] System Time [16:19:20]					
Access Level Administrator					

Note:

- *The contents may vary depending on computer configurations.*
- *Incorrect settings may cause system malfunction. To correct it, restore the Optimized Defaults with F3.*

Main Menu Selections

You can make the following selections on the Main Menu. Use the sub-menus for other selections.

Feature	Options	Description
System Date	MM/DD/YYYY	Set the system date Month, Day, Year.
System Time	HH:MM:SS	Set the system time Hour, Minute, Second.

Advanced Menu

Aptio Setup Utility	
Main	Advanced
<ul style="list-style-type: none"> ▶ Trusted Computing ▶ CPU Configuration ▶ SATA Configuration ▶ Thermal Configuration ▶ Intel (R) Rapid Start Technology ▶ USB Configuration ▶ Super IO Configuration ▶ RF Device Configuration ▶ EC Thermal Control ▶ AC IN BOOT Control ▶ USB CHARGE Control ▶ Intel (R) Smart Connect Technology ▶ Network Stack Configuration ▶ CPU PPM Configuration 	<p>Trusted Computing Setting</p> <hr/> <p>→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</p>

Advanced Menu Selections

You can make the following selections on the Advanced Menu.

Feature	Options	Description
Trusted Computing	Disabled Enabled	TPM Support
SATA Configuration	SATA Mode Selection Serial ATA Port 0 Software Preserve	SATA Mode Selection: IDE, AHCI, RAID
Intel (R) Rapid Start Technology	Disabled Enabled	Enable or disable Intel (R) Rapid Start Technology.
USB Configuration	Disabled Enabled	Legacy USB Support USB3.0 Support XHCI Hand-off EHCI Hand-off
Super IO Configuration	Serial Port 0~3 Configuration	
RF Device Control	Disabled Enabled	GPS, BLUETOOTH, WLAN
EC Thermal Control		Thermal cooling trip point
AC IN BOOT Control	Disabled Enabled	AC IN Boot setting
USB Charge Control	Disabled Enabled	
Intel Smart Connect Technology	Disabled Enabled	Enable/Disable ISCT Configuration
Network Stack Configuration	Disabled Enabled	Enable/Disable UEFI Network Stack
CPU PPM Configuration	Disabled Enabled	Enable/Disable Intel SpeedStep

Trusted Computing Sub-Menu

Aptio Setup Utility	
Advanced	
<p>Configuration Security Device Support [Disable]</p> <p>Current Status Information SUPPORT TURNED OFF</p>	<p>Enables or Disables BIOS support for security device. O.S. will not show Security Device. TCG EFI protocol and INT1A interface will not be available.</p> <hr/> <p>→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</p>

SATA Configuration Sub-Menu

Aptio Setup Utility		
Advanced		
SATA Mode Selection SATA Test Mode Aggressive LPM Support SATA Controller Speed	[AHCI] [Disabled] [Enabled] [Gen3]	Determine how SATA controller(s) operate. →←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
Serial ATA Port 0 Software Preserve Serial ATA Port 1 Software Preserve Serial ATA Port 2 Software Preserve	Empty Unknown Empty Unknown SATA SSD (120.0 SUPPORTED	

SATA Configuration Sub-Menu Selections

You can make the following selections on the SATA configuration sub-menu.

Feature	Options	Description
SATA Mode Selection	IDE AHCI RAID	Determine how SATA controller(s) operate
SATA Test Mode	Disabled Enabled	Enable or disable Test Mode
Aggressive LPM Support	Disabled Enabled	Enable PCH to aggressively enter link power state
SATA Controller Speed	Gen1 Gen2 Gen3	Indicates the maximum speed the SATA controller can support
Port 0	Disabled Enabled	Enable or Disable SATA Port
Hot Plug	Disabled Enabled	Designates this port as Hot Pluggable

Intel (R) Rapid Start Technology Sub-Menu

Aptio Setup Utility	
Advanced	
Intel (R) Rapid Start Technology [Disabled]	Enables or disable Intel (R) Rapid Start Technology
	→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit

USB Configuration Sub-Menu

Advanced		Aptio Setup Utility
USB Configuration USB Devices: 1 point Legacy USB Support [Enabled] USB3.0 Support [Enabled] XHCI Hand-off [Enabled] EHCI Hand-off [Disabled]		Enables Legacy USB support. AUTO option disables legacy support if no USB devices are connected. Disable option will keep USB devices available only for EFI applications
		→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit

USB Configuration Sub-Menu Selections

You can make the following selections on the USB configuration sub-menu.

Feature	Options	Description
Legacy USB enabled	Disabled Enabled	Enables Legacy USB support. AUTO option disables legacy support if no USB devices are connected. DISABLE option will keep USB devices available only for EFI applications.
Usn3.0 Support	Disabled Enabled	Enable/Disable USB3.0 (XHCI) Controller support.
XHCI Hand-off	Disabled Enabled	This is a workaround for Oses without XHCI hand-off support. This XHCI ownership change should be claimed by XHCI driver.
EHCI Hand-off	Disabled Enabled	This is a workaround for Oses without EHCI hand-off support. This EHCI ownership change should be claimed by EHCI driver.

RF Device Control Configuration Sub-Menu

Advanced		Aptio Setup Utility
RF Device Control		RF Device Control Setting
GPS STATUS GPS	Present [Enabled]	→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
BT STATUS BLUETOOTH	Present [Enabled]	
WLAN STATUS WLAN	Present [Enabled]	

RF Device Control Configuration Sub-Menu Selections

You can make the following selections on the RF Security Control sub-menu.

Feature	Options	Description
Wireless LAN	Disabled	Wireless Lan Control
	Enabled	Enabled Wireless function
GPS	Disabled	GPS Control
	Enabled	Enabled GPS function
BlueTooth	Disabled	BlueTooth Control
	Enabled	Enabled Blue Tooth function

EC Thermal Control Sub-Menu

Advanced		Aptio Setup Utility
EC Thermal Control		EC Thermal Control Setting
User mode	[Normal mode - 87 C]	→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit

EC Thermal Control Sub-Menu Selections

You can make the following selections on the EC Thermal Control sub-menu.

Feature	Options	Description
User mode	Tablet mode – 79 C Normal mode – 87 C High Performance mode – 95 C	

Chipset Menu

Aptio Setup Utility					
Main	Advanced	Chipset	Boot	Security	Save & Exit
<ul style="list-style-type: none"> ▶ PCH-IO Configuration ▶ System Agent (SA) Configuration 			PCH Parameters		
			→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit		

Chipset Menu Selections

You can make the following selections on the Chipset sub-menu.

Feature	Options	Description
PCH-IO Configuration		PCH Parameter
System Agent (SA) Configuration		System Agent (SA) Parameters

PCH-IO Configuration Sub-Menu

Aptio Setup Utility	
Chipset	
Intel PCH RC Version 1.6.0.0 Intel PCH SKU Name QM77 Intel PCH Rev ID 04/C1	PCI Express Configuration settings
<ul style="list-style-type: none"> ▶ PCI Express Configuration ▶ USB Configuration ▶ PCH Azalix Configuration 	→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit

PCH-IO Configuration Sub-Menu Selections

You can make the following selections on the PCH-IO Configuration sub-menu.

Feature	Options	Description
PCI Express Configuration	Disabled Enabled	PCI Express Configuration settings
USB Configuration	Disabled Enabled	USB Configuration settings
PCH Azaliz Configuration	Disabled Enabled	PCH Azaliz Configuration settings

Boot Menu

Aptio Setup Utility		
Main	Advanced	Chipset Boot Security Save & Exit
Boot mode select [Legacy]		Set boot mode LEGACY/UEFI
Boot Option Priorities		→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
Boot Option #1	[Hard Disk: SATA SSD...]	
Boot Option #2	[CD/DVD]	
Boot Option #3	[USB Hard Disk]	
Boot Option #4	[USB CD/DVD]	
Boot Option #5	[USB Key]	
Boot Option #6	[USB Floppy]	
Boot Option #7	[Network]	
▶ CSM parameters		
▶ Hard Disk Drive BBS Priorities		

The system will try to boot from device on top then the 2nd and so on. If there is more than one device in each category, only the device on top of sub-menu can boot up.

Boot Menu Selections

You can make the following selections on the Boot menu.

Feature	Options	Description
Boot mode select	LEGACY UEFI	Select boot mode LEGACY/UEFI
Boot Option #1		Sets the system boot order
Boot Option #2		Sets the system boot order
CSM parameters		OpROM execution, boot options filter, etc.
Hard Drive BBS Priorities		Set the Boot Device Priority sequence from available Hard Disk Drives

Security Menu

Aptio Setup Utility	
Main	Advanced
Chipset	Boot
Security	Save & Exit
<p>Password Description</p> <p>If ONLY the Administrator's password is set, then this only limits access to Setup and is only asked for when entering Setup.</p> <p>If ONLY the User's password is set, then this is a power on password and must be entered to boot or enter Setup. In Setup the User will have Administrator rights.</p> <p>The password length must be in the following range;</p> <p>Minimum length 3</p> <p>Maximum length 20</p> <p>Administrator Password</p> <p>User Password</p> <p>HDD Security Configuration:</p> <p>PO: SATA SSD</p>	
<p>Set Administrator Password</p> <p>→←: Select Screen</p> <p>↑↓: Select Item</p> <p>Enter: Select</p> <p>+/-: Change Opt.</p> <p>F1: General Help</p> <p>F2: Previous Values</p> <p>F3: Optimized Defaults</p> <p>F4: Save & Exit</p> <p>ESC: Exit</p>	

Security Menu Selections

You can make the following selections on the Security Menu.

Feature	Options	Description
Administrator Password	Enter Password Confirm Password	New New
User password	Enter Password Confirm Password	New New
HDD 0: SATA SSD	Enter Password Confirm Password	New New

Save & Exit Menu

Aptio Setup Utility					
Main	Advanced	Chipset	Boot	Security	Save & Exit
Save Changes and Exit Discard Changes and Exit Save Changes and Reset Discard Changes and Reset				Exit system setup after saving the changes	
Save Options Save Changes Discard Changes Restore Defaults Save as User Defaults Restore User Defaults				→←: Select Screen ↑↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit	
Boot Override PO: MRMAJAA128GTSM2IDO					

Chapter 5 – Drivers and Applications

The Utility DVD includes all the drivers for the installed devices in your tablet computer. Please consult the dealer if there is any driver missing. Also, through Device Manager in Windows, you are able to perform “Driver Update” or check if there are still drivers for the devices needed to be installed. Please check the readme file on Utility DVD to get the latest information before installing device drivers.

Note:

- *Please install the chipset driver first.*
- *The installation directory in this section is for reference only. Please check the readme file on Utility DVD to get the latest directory information.*
- *If the system requests for reboot after installing drivers, please reboot your tablet computer first before installing other drivers.*

Chipset

Windows 8.1/Ultimate 64-bit:

Run "infinst_autol.exe" in the directory of "\\Drivers\\Chipset\\Windows 8_1", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

Run "infinst_autol.exe" in the directory of "\\Drivers\\Chipset\\Windows 8_1", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

Run "infinst_autol.exe" in the directory of "\\Drivers\\Chipset\\Windows 8", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

Run "infinst_autol.exe" in the directory of "\\Drivers\\Chipset\\Windows 8", and then follow the instructions to install.

Windows7/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Chipset\\Windows 7", and then follow the instructions to install.

Windows7/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Chipset\\Windows 7", and then follow the instructions to install.

VGA

Windows 8.1/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\VGA(Intel_HD4000)\Windows 8_1 (64-bit)\win64_153322", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\VGA(Intel_HD4000)\Windows 8_1 (32-bit)\win64_153322", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\VGA(Intel_HD4000)\Windows 8 (64-bit)\Win64_15313", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\VGA(Intel_HD4000)\Windows 8 (32-bit)\Win32_15313", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\VGA(Intel_HD4000)\Windows 7 (64-bit)\Win64_15319", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\VGA(Intel_HD4000)\Windows 7 (32-bit)\Win32_15319", and then follow the instructions to install.

Audio

Windows 8.1/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Audio\\Windows 7_8_8.1\\Win7_Win8_Win81_R273", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Audio\\Windows 7_8_8.1\\6777_PG360_Win8_Win7_Vista_XP", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Audio\\Windows 7_8\\6777_PG360_Win8_Win7_Vista_XP", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Audio\\Windows 7_8\\6777_PG360_Win8_Win7_Vista_XP", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Audio\\Windows 7_8\\6777_PG360_Win8_Win7_Vista_XP", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Audio\\Windows 7_8\\6777_PG360_Win8_Win7_Vista_XP", and then follow the instructions to install.

Intel ME

Windows 8.1/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\Intel_ME_8.1\Windows 7_8_8.1", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\Intel_ME_8.1\Windows 7_8_8.1", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\Intel_ME_8.1\Windows 7_8", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\Intel_ME_8.1\Windows 7_8", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\Intel_ME_8.1\Windows 7_8", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\Intel_ME_8.1\Windows 7_8", and then follow the instructions to install.

Intel Rapid Storage Technology

Windows 8.1/Ultimate 64-bit:

Run "SetupRST.exe" in the directory of "Drivers\Intel Rapid Storage Technology\Windows 7_8_.81\12.9", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

Run "SetupRST.exe" in the directory of "Drivers\Intel Rapid Storage Technology\Windows 7_8_.81\12.9", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

Run "SetupRST.exe" in the directory of "Drivers\Intel Rapid Storage Technology\Windows 7_8", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

Run "SetupRST.exe" in the directory of "Drivers\Intel Rapid Storage Technology\Windows 7_8", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

Run "SetupRST.exe" in the directory of "Drivers\Intel Rapid Storage Technology\Windows 7_8", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

Run "SetupRST.exe" in the directory of "Drivers\Intel Rapid Storage Technology\Windows 7_8", and then follow the instructions to install.

Wireless Power Manager

Windows 8.1/Ultimate 64-bit:

Run "setup.exe" in the directory of "\\Utilities\10_0_2_5\", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

Run "setup.exe" in the directory of "\\Utilities\10_0_2_5\", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

Run "setup.exe" in the directory of "\\Utilities\10_0_2_5\", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

Run "setup.exe" in the directory of "\\Utilities\10_0_2_5\", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

Run "setup.exe" in the directory of "\\Utilities\10_0_2_5\", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

Run "setup.exe" in the directory of "\\Utilities\10_0_2_5\", and then follow the instructions to install.

Touch Pad

Windows 8.1/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\Touch Pad (ETD)\Windows 7_8_8.1\ETD11.10.13.6_ps2drv_WHQL", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\Touch Pad (ETD)\Windows 7_8_8.1\ETD11.10.13.6_ps2drv_WHQL", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\Touch Pad (ETD)\Windows 7_8\ETD11.10.13.6_ps2drv_WHQL", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\Touch Pad (ETD)\Windows 7_8\ETD11.10.13.6_ps2drv_WHQL", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\Touch Pad (ETD)\Windows 7_8\ETD11.10.13.6_ps2drv_WHQL", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\Touch Pad (ETD)\Windows 7_8\ETD11.10.13.6_ps2drv_WHQL", and then follow the instructions to install.

Turbo Boost Monitor

Windows 8.1/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Turbo Boost Monitor\\Windows 7_8_8.1", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Turbo Boost Monitor\\Windows 7_8_8.1", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Turbo Boost Monitor\\Windows 7_8", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Turbo Boost Monitor\\Windows 7_8", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Turbo Boost Monitor\\Windows 7_8", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Turbo Boost Monitor\\Windows 7_8", and then follow the instructions to install.

Gigabit LAN (Option)

Windows 8.1/Ultimate 64-bit:

Run "PROWinx64.exe" in the directory of "\\Drivers\\Intel_82579LM\\Windows 8_1 (64-bit)", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

Run "PROWinx32.exe" in the directory of "\\Drivers\\Intel_82579LM\\Windows 8_1 (32-bit)", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

Run "PROWinx64.exe" in the directory of "\\Drivers\\Intel_82579LM\\Windows 8 (64-bit)", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

Run "PROWinx32.exe" in the directory of "\\Drivers\\Intel_82579LM\\Windows 8 (32-bit)", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

Run "PROWinx64.exe" in the directory of "\\Drivers\\Intel_82579LM\\Windows 7 (64-bit)", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

Run "PROWin32.exe" in the directory of "\\Drivers\\Intel_82579LM\\Windows 7 (32-bit)", and then follow the instructions to install.

2nd Gigabit LAN (Option)

Windows 8.1/Ultimate 64-bit:

Run "setup.exe" in the directory of "\\Drivers\\Mini PCI-E 1G RTL8111E LAN\\Windows 7_8_8.1\\Install_Win7_7046_07202011", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

Run "setup.exe" in the directory of "\\Drivers\\Mini PCI-E 1G RTL8111E LAN\\Windows 7_8_8.1\\Install_Win7_7046_07202011", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

Run "setup.exe" in the directory of "\\Drivers\\Mini PCI-E 1G RTL8111E LAN\\Windows 7_8\\Install_Win7_7046_07202011", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

Run "setup.exe" in the directory of "\\Drivers\\Mini PCI-E 1G RTL8111E LAN\\Windows 7_8\\Install_Win7_7046_07202011", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

Run "setup.exe" in the directory of "\\Drivers\\Mini PCI-E 1G RTL8111E LAN\\Windows 7_8\\Install_Win7_7046_07202011", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\\Mini PCI-E 1G RTL8111E LAN\\Windows 7_8\\Install_Win7_7046_07202011", and then follow the instructions to install.

WiFi (Option)

Windows 8.1/Ultimate 64-bit:

Run "Wireless_15.6_De64.exe" in the directory of "\\Drivers\\Mini PCI-E WiFi 6235\\Windows 8_1 (64-bit)", and then follow the instructions to install.

*: Then into the "Wireless Power Manager" to turn on the WLAN device.

Windows 8.1/Ultimate 32-bit:

Run "Wireless_15.6_De32.exe" in the directory of "\\Drivers\\Mini PCI-E WiFi 6235\\Windows 8_1 (32-bit)", and then follow the instructions to install.

*: Then into the "Wireless Power Manager" to turn on the WLAN device.

Windows 8/Ultimate 64-bit:

Run "Wireless_15.6_De64.exe" in the directory of "\\Drivers\\Mini PCI-E WiFi 6235\\Windows 8 (64-bit)", and then follow the instructions to install.

*: Then into the "Wireless Power Manager" to turn on the WLAN device.

Windows 8/Ultimate 32-bit:

Run "Wireless_15.6_De32.exe" in the directory of "\\Drivers\\Mini PCI-E WiFi 6235\\Windows 8 (32-bit)", and then follow the instructions to install.

*: Then into the "Wireless Power Manager" to turn on the WLAN device.

Windows 7/Ultimate 64-bit:

Run "Wireless_15.3.1_Ds64.exe" in the directory of "\\Drivers\\Mini PCI-E WiFi 6235\\Windows 7 (64-bit)", and then follow the instructions to install.

*: Then into the "Wireless Power Manager" to turn on the WLAN device.

Windows 7/Ultimate 32-bit:

Run "Wireless_15.3.1_Ds32.exe" in the directory of "\\Drivers\\Mini PCI-E WiFi 6235\\Windows 7 (32-bit)", and then follow the instructions to install.

*: Then into the "Wireless Power Manager" to turn on the WLAN device.

Bluetooth (Option)

Windows 8.1/Ultimate 64-bit:

*: First into the "Wireless Power Manager" to turn on the Bluetooth device.

Run "BT_2.6.1211_e64.exe" in the directory of "\\Drivers\Bluetooth\Windows 8_1 (64-bit)", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

*: First into the "Wireless Power Manager" to turn on the Bluetooth device.

Run "BT_2.6.1211_e32.exe" in the directory of "\\Drivers\Bluetooth\Windows 8_1 (32-bit)", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

*: First into the "Wireless Power Manager" to turn on the Bluetooth device.

Run "BT_2.6.1211_e64.exe" in the directory of "\\Drivers\Bluetooth\Windows 8 (64-bit)", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

*: First into the "Wireless Power Manager" to turn on the Bluetooth device.

Run "BT_2.6.1211_e32.exe" in the directory of "\\Drivers\Bluetooth\Windows 8 (32-bit)", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

*: First into the "Wireless Power Manager" to turn on the Bluetooth device.

Run "BT_2.2_s64.exe" in the directory of "\\Drivers\Bluetooth\Windows 7 (64-bit)", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

*: First into the "Wireless Power Manager" to turn on the Bluetooth device.

Run "BT_2.2_s32.exe" in the directory of "\\Drivers\Bluetooth\Windows 7 (32-bit)", and then follow the instructions to install.

GPS (Option)

Windows 8.1/Ultimate 64-bit:

*: First into the "Wireless Power Manager" to turn on the GPS device.

Run "ubloxGnss_sensor_windows_3264_v2.1.0.5.exe" in the directory of "\\Drivers\GPS(u-blox)\Windows 7_8_8.1", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

*: First into the "Wireless Power Manager" to turn on the GPS device.

Run "ubloxGnss_sensor_windows_3264_v2.1.0.5.exe" in the directory of "\\Drivers\GPS(u-blox)\Windows 7_8_8.1", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

*: First into the "Wireless Power Manager" to turn on the GPS device.

Run "ubloxGnss_sensor_windows_3264_v2.1.0.5.exe" in the directory of "\\Drivers\GPS(u-blox)\Windows 7_8", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

*: First into the "Wireless Power Manager" to turn on the GPS device.

Run "ubloxGnss_sensor_windows_3264_v2.1.0.5.exe" in the directory of "\\Drivers\GPS(u-blox)\Windows 7_8", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

*: First into the "Wireless Power Manager" to turn on the GPS device.

Run "ubloxGnss_sensor_windows_3264_v2.1.0.5.exe" in the directory of "\\Drivers\GPS(u-blox)\Windows 7_8", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

*: First into the "Wireless Power Manager" to turn on the GPS device.

Run "ubloxGnss_sensor_windows_3264_v2.1.0.5.exe" in the directory of "\\Drivers\GPS(u-blox)\Windows 7_8", and then follow the instructions to install.

TPM (Option)

Windows 8.1/Ultimate 64-bit:

*: First into the "BIOS" to turn on the TPM device.

Run "Setup.exe" in the directory of "\\Drivers\TPM\Windows 7_8_8.1", and then follow the instructions to install.

Windows 8.1/Ultimate 32-bit:

*: First into the "BIOS" to turn on the TPM device.

Run "Setup.exe" in the directory of "\\Drivers\TPM\Windows 7_8_8.1", and then follow the instructions to install.

Windows 8/Ultimate 64-bit:

*: First into the "BIOS" to turn on the TPM device.

Run "Setup.exe" in the directory of "\\Drivers\TPM\Windows 7_8", and then follow the instructions to install.

Windows 8/Ultimate 32-bit:

*: First into the "BIOS" to turn on the TPM device.

Run "Setup.exe" in the directory of "\\Drivers\TPM\Windows 7_8", and then follow the instructions to install.

Windows 7/Ultimate 64-bit:

*: First into the "BIOS" to turn on the TPM device.

Run "Setup.exe" in the directory of "\\Drivers\TPM\Windows 7_8", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

*: First into the "BIOS" to turn on the TPM device.

Run "Setup.exe" in the directory of "\\Drivers\TPM\Windows 7_8", and then follow the instructions to install.

USB3.0 (For Windows 7)

Windows 7/Ultimate 64-bit:

Run "Setup.exe" in the directory of "\\Drivers\USB3.0\Windows 7\Intel(R) USB 3.0 eXtensible Host Controller Driver PV(HF7) 1.0.7.248", and then follow the instructions to install.

Windows 7/Ultimate 32-bit:

Run "Setup.exe" in the directory of "\\Drivers\USB3.0\Windows 7\Intel(R) USB 3.0 eXtensible Host Controller Driver PV(HF7) 1.0.7.248", and then follow the instructions to install.

Note:

- *USB3.0 driver is required when DS11 installs Windows 7.*

Chapter 6 – Specifications

Platform

Intel® Chief River Platform

CPU

Intel® Ivy Bridge i7-3537U
- 4 MB Intel Smart Cache Memory

PCH

Intel® Panther Point QM77

Memory

4/8GB System Memory
- Industrial grade
- DDR3 SO-DIMM x 1, 1600MHz

Touch Screen

Type: 10.1" WXGA (16:10)
Resolution: 1280 x 800 pixels
Brightness (min.~ typ.): 1000 nits
Capacitive Multi-Touch Screen
Optional Invisible mode on/off

Storage

- Removable mSATA SSD
- 128GB/256GB/512GB
- Industrial Grade

Buttons/Function Keys

- Power button (front side)
- Membrane Function Keys with LED Backlight

Audio

- HD Audio and mono Speakers
- Embedded Digital Mic

I/O Ports

- Std. Mini HDMI x 1/USB3.0 x 2 ((the rightmost USB port, with a lightening mark on the cap, supports fast charging function)
- Optional:
 - GLAN x 1/ Mini DisplayPort x 1/USB3.0 x 1
 - GLAN x 1/Mini HDMI x 1/USB3.0 x 1
- Optional Fischer I/O:
Choose 1~4 out of 7 as below:
 - USB 2.0 x 1
 - VGA x 1
 - COM (RS232/RS422) x 2
 - GLAN x 1
 - Audio X 1
 - Sealed Headset (Headphone out/Mic-in Combo) x 1
- Docklite Connector: 32-pin POGO (Hot Swappable)
- Standard Micro SD card slot
- DC power jack

Dimensions and Weight

Width:	280mm (11")
Depth:	186mm (7.3")
Height:	20mm (0.79")
Weight:	Kg (lb)*

*Without battery, mSATA module, and all RF modules. Battery weight: approx. 300g.

Note:

➤ *Weight varies depending on system configurations.*

Power

Easily-removable Battery Pack:

Type:	6 x 18650 cells Lithium Ion
Capacity:	11.1V/ 4400mAh (3S2P)
Dimensions:	138 mm (W) x 136 mm (D) x 9.7 mm (H)
Weight:	Approx. 300 gram (0.66 lb.)

AC Adapter

Input Voltage:	AC 100 - 240V
Frequency:	50/60 Hz
Output Voltage:	DC 19V
Maximum Power:	90 Watts
Dimensions:	133 mm (W) x 58mm (D) x 30mm (H)
Weight:	Approx. 400 g (0.88 lb.)

DC-In:

12~32V with BVA

- Fischer 3 pin Connector

Environmental, Safety & EMC

CE, FCC, WEEE, REACH, IP65, MIL-STD-810G, MIL-STD-461F

Operating & Storage Temperature

Operating Temp.:

- Std: I: 0 °C ~ +40 °C

M: -20 °C ~ +55 °C*

- Optional: -30 °C ~ +55 °C*

*LCD with Heater

Storage Temp.: -40 °C ~ +70 °C

Materials and Recycling

Materials of the computer are as follows:

Magnesium case: AL6061T6

PCB: FR-4, UL 94V0

Battery: Rechargeable Lithium Ion cells

Packing: Carton: Unbleached paper

Cushion: Recyclable PE

Carrying bag: Recyclable PE Fiber

Quick Guide: Paper

Please recycle the parts according to local regulations.

Chapter 7 – Optional Devices

Communication

- WiFi/Bluetooth:
 - Intel® Centrino® Advanced-N 6235, Dual Band
 - Board Form Factor: PCIe Half Mini Card
 - Wi-Fi Certified: 802.11 a/b/g/n
 - Bluetooth: Supports BT 2.1, 2.1+EDR, 3.0, 3.0+HS, 4.0 (BLE)
 - Interface: PCIe (WiFi)/USB (BT)
- GPS: u-blox Neo-M8 (USB interface)
- 2nd Gigabit LAN: 1Gbps (internal Mini PCIe Card)

Memory Card

The memory card will expand main memory to facilitate better system performance. The cards are available as following: 4/8GB DDR3 DRAM 1600MHz (Max. total memory 8 GB).

Security

TPM (Trusted Platform Module) version 1.2

Mil. Fischer Connector

Optional Fischer connectors provide solutions for users to operate the device in harsh environment. Signals designed for usage include USB2.0, VGA, RS232 or RS422, GLAN, and Audio.

External USB Keyboard

An optional 89-key external USB keyboard with LED backlight and IP rating of IP54 is available for your tablet computer. The detailed specification is provided below:

- 89-key layout emulates 101/102-key KB
- Life: >1 million times, water/dust protection up to IP54
- Back-light illumination (backlight device: green LED)
- PS/2 compatible Trackpoint and mouse buttons
- Dimensions: 323.4 mm (W) x 172 mm (D) x 25 mm (H)
- Weight: 1.1 kg



Track point

The track point is functionally equivalent to a mouse. Pushing the track point may move the cursor on the screen. The 2 buttons act same as mouse buttons.

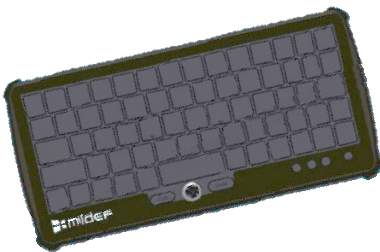
Backlight

Press **[I-O]** key for approximately 1 second turns keyboard backlight ON or OFF.

Mini Keyboard KBD

Mini Keyboard KBD is designed for all models. KBD also brings convenience of use through multi-language keyboard versions and USB interface. The detailed specification is provided below:

- USB interface with 30 cm USB cable
- 66-Key design with function keys to simulate standard keyboards.
- StickPointer to simulate mouse and keypad
- Currently support versions:
English (UI), English (UK), German (DE), Swedish (SV) and Russian (RU) 5 versions.
- LED Backlight
- Caps Lock, Number Lock, Scroll Lock, and Smart Card Reader LED Indicators
- Magnesium Alloy Case (Black)
- Operating Temperature: -20 ~ 50°C (-4 ~ 122°F)
- Storage Temperature: -40 ~ 70°C (-40 ~ 158°F)
- Optional Built-in Smart Card Reader
- Dimensions: 190 mm (W) x 90 mm (D) x 12 mm (H)
- Weight: 170 g



Chapter 8 – Maintenance and Service

Cleaning

ALWAYS turn OFF the power, unplug the power cord and remove the battery before cleaning.

The exterior of the system and display may be wiped with a clean, soft, and lint-free cloth. If there is difficulty removing dirt, apply non-ammonia, non-alcohol based glass cleaner to the cloth and wipe.

An air gun is recommended for cleaning water and dust. For salty water please clean with fresh water then blow-dry with an air gun.

Troubleshooting

Should the tablet computer fail to function properly, the troubleshooting steps below may be followed.

- Power Problems:

When I turn on the Tablet computer, it does not respond.

- If you are using battery power, check if the battery is charged
- If you are using AC power, ensure that the connection of AC adapter is correct.

I cannot return from Hibernation while on battery power

- The battery might be drained. Please plug the tablet into AC power.
- Hard reset the device by pressing the power button for 4 seconds

Unexpected or improper shutdown causes BIOS to reset to Optimized Default

- This could be a power problem. Please connect the AC power adapter to fix the abnormal shutdown problem.
- Minimize the configuration, i.e. remove extra peripherals and devices.
- Remove the modules one by one (HDD, Battery, etc.).
- Remove the software suspected.
- Set BIOS fail-safe default.
- Re-install operating system and application software.

RMA Service

If troubleshooting solutions are unsuccessful, consult your dealer for RMA.

Shipping instructions:

1. Remove any personal add-on devices or other media.
2. Use the original shipping container and packing materials, if possible.
3. If the original packing materials are not available, wrap the equipment with soft material (e.g. PU/PE form) then put the wrapped equipment into a hard cardboard shipping box.
4. Include a sheet with the following information: (Note: Please keep a copy of this sheet for your records.)
 - Name
 - Address
 - Unit serial number
 - Place and date of purchase or the original invoice number
 - Date of failure
 - A DETAILED description of the problems you have encountered including: The operating system, the add-on device installed (if any), the application software, the failure phenomenon, etc.
 - A list of the hardware/software configuration, if applicable.
5. Clearly mark the outside of the shipping box with the RMA #. If an RMA # is not present on the shipping box, receiving will be unable to identify it and it might be returned.
6. Unless prior arrangements have been made, the customer is responsible for all shipping costs. Unauthorized use of the company's shipping accounts is not permitted.