

# Monitor

## Quick Start Guide v1

## Table of Contents

BEFORE YOU START.....	3
PRODUCT OVERVIEW .....	4
TECHNICAL SPECIFICATIONS .....	6
CHARGING THE TABLET .....	9
APPENDIX .....	14
COPYRIGHT .....	14
REGULATORY STATEMENT .....	14
<i>Federal Communications Commission Statement</i> .....	14
<i>Declaration of Conformity</i> .....	14
<i>RF exposure warning</i> .....	14
<i>Battery Disposal</i> .....	14
CLASS 1 LASER PRODUCT.....	14

# Before You Start

Congratulations on your purchase of the Monitor

This Monitor provides users with maximum mobile computing experience in a wide range of working environments. Before you begin using your Monitor read this chapter to familiarize yourself with the main components installed in the system.

△ **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

⚡ **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

✍ **NOTE:** A NOTE indicates important information that helps you make better use of your computer.

These safety instructions should always be observed to ensure safe operation when handling the device.

△ **CAUTION:** Do not place this device on an unstable table or surface. The device may fall, causing serious damage to its housing and components.

△ **CAUTION:** Avoid use under strong magnetic or static environments.

△ **CAUTION:** Keep the device away from excessive heat and humidity.

△ **CAUTION:** Keep liquids away from the device.

△ **CAUTION:** Keep the device away from any magnetic emitting devices as this may affect the quality of the wireless signal reception.

⚡ **WARNING:** Using an incompatible battery may increase the risk of fire or explosion. Replace the battery only with a compatible battery supplied via manufacturer. Before removing or replacing the battery, turn off the tablet, disconnect the AC adapter from the electrical outlet and the tablet, and remove any other external cables from the tablet.

⚡ **WARNING:** Not for use in hazardous locations. See installation instructions.

✍ **NOTE:** The tablets operating temperature is -20°C to 60°C (-4°F to 140°F), to avoid damaging the unit, do not run the units for too long in extreme cold or heat.

✍ **NOTE:** Do not cover the device, or block the air ventilation holes of the device with any other objects.

✍ **NOTE:** If the tablet is dropped in water or other liquids, allow the unit to dry out, then check the unit for functionality.

✍ **NOTE:** Do not use any sharp object to tap on the display screen.

✍ **NOTE:** Avoid using chemical composition cleaners or other liquid wipes on the tablet. Clean with a mildly damp or dry microfiber cloth.

✍ **NOTE:** Dismantling the monitor, will void the Warranty.

✍ **NOTE:** The tablet supports most current brands of the 3G dongle, but is not guaranteed.

✍ **NOTE:** Do not expose the device to direct sunlight and dusty environments.

# What's included in the Box

Upon receiving your Monitor the following items will be in the box.

- Monitor
- 7,800mAH 3.7V Rechargeable Li-Ion Battery (installed in device)
- USA AC/DC Power Supply 5v/3amp

# Product Overview



# Technical Specifications

Item	Category	Specifications
CPU	Type/Speed	<ul style="list-style-type: none"> <li>Intel Cherry Trail Z8350 1.44-1.84 GHz Quad-Core</li> </ul>
GPU	Type	<ul style="list-style-type: none"> <li>Intel HD Graphics</li> </ul>
RAM	RAM	<ul style="list-style-type: none"> <li>DDR3L</li> <li>On board 2GB/ 4GB</li> </ul>
	Max RAM	<ul style="list-style-type: none"> <li>4GB</li> </ul>
Mass Storage	eMMC	<ul style="list-style-type: none"> <li>On board</li> <li>32GB/ 64GB/128GB</li> </ul>
Video	LCD Display	<ul style="list-style-type: none"> <li>8" 16:10</li> <li>1280 x 800 (IPS)</li> <li>280 cd/m2 (optional SLR Sunlight visible film)</li> </ul>
	Touch Panel	<ul style="list-style-type: none"> <li>10 points Capacitive, G+G, COF</li> <li>Rigidity: above 7H-Anti-scratch</li> <li>TP thickness: 1.1mm</li> </ul>
Audio	Features	<ul style="list-style-type: none"> <li>Embedded 8Ω/0.8W waterproof speaker x 1 One microphone</li> <li>Mic: Sensitivity:-42db, output resistance:2.2kΩ</li> </ul>
Webcam	Features	<ul style="list-style-type: none"> <li>Front:2.0MP with indicator light</li> <li>Rear: 5.0MP</li> </ul>
Communications	WiFi	<ul style="list-style-type: none"> <li>802.11(a/b/g/n</li> <li>Frequency 2.4G+5.8G dual band WIFI,</li> </ul>
	Bluetooth	<ul style="list-style-type: none"> <li>BT4.1 (BLE) class2 transmission distance: 10m</li> </ul>
	3G	<ul style="list-style-type: none"> <li>WCDMA(900/2100MHz) GSM (900/1800MHz)</li> </ul>
	4G	<ul style="list-style-type: none"> <li>Quectel EC25-A</li> <li>FDD LTE: B2/B4/B12</li> <li>WCDMA: B2/B4/B5</li> </ul>
	GPS	<ul style="list-style-type: none"> <li>GPS: UBlox Neo 7</li> <li>Support :GLONASS,QZSS,GPS; Capture sensitivity: -160 dBm; Cool Start Time: &lt;30second, Hot start time: &lt;28seconds, frequency: 0.25 Hz ∙ ∙ ∙ 10 MHz (configurable)</li> </ul>
	NFC	<ul style="list-style-type: none"> <li>NXP NFC 13.56MHz Support ISO/IEC</li> </ul>

		14443A/14443B/15693/18092/mifare protocol, Card reading distance: 4cm
I/O Devices	I/O Ports	<ul style="list-style-type: none"> <li>• Support SDHC/SDXC x1 max: 64G</li> <li>• USB 2.0*1 (Host) for windows Android OTG x1</li> <li>• ϕ 3.5mm standard earphone jack x1</li> <li>• DC 5V 3A ϕ 3.5mm Power connector x1</li> <li>• HDMI 1.4a Mini Type C x1</li> <li>• 12pin Pogo Pin x1</li> </ul>
Data Collection	2D Barcode scanner	<ul style="list-style-type: none"> <li>• Motorola SE470 Hardware decoder</li> <li>• Optical Resolution: 5.0 mil (Code 39), 5.0 mil (PDF417)</li> <li>• Imaging Sensor <ul style="list-style-type: none"> <li>• Image Resolution: 1280 horizontal X 800 vertical pixels</li> <li>• Field of View (FOV): 42.0° horizontal, 28.0° vertical</li> </ul> </li> </ul>
Power Power	Adapter	<ul style="list-style-type: none"> <li>• AC100V ~ 240V、50Hz/60Hz output DC 5V/3A USA Standard CE approval</li> </ul>
	Battery	<ul style="list-style-type: none"> <li>• One main battery pack in a unit.</li> <li>• Lithium-ion polymer battery, pluggable (Dimension: 21.8*92.3*9.5mm)</li> <li>• Capacity: 3.7V/7800mAh</li> </ul>
	Battery Life	<ul style="list-style-type: none"> <li>• 6-8hrs (default 50% volume, default200nit, play 1080P HD video)</li> </ul>
Product Form	Dimension	<ul style="list-style-type: none"> <li>• 228*145*16.5mm</li> </ul>
	Weight	<ul style="list-style-type: none"> <li>• Unit: 0.63kg</li> <li>• Unit with box and standard accessories:1990g</li> <li>• Docking: 290g, 10000mAh battery: 250g"</li> </ul>
Product Reliability	Drop Height	<ul style="list-style-type: none"> <li>• 1.0m Composite wood floor starting up status</li> </ul>
	Temperature	<ul style="list-style-type: none"> <li>• Operating: -20 °C to 60 °C /-4 °F to 140 °F</li> <li>• Storage: -30 °C to 70 °C / -22 °F to 158 °F</li> </ul>
	Humidity	<ul style="list-style-type: none"> <li>• Humidity: 95% Non-Condensing</li> </ul>

Accessories

Optional

- Digitizer Pen (Part # 3170-80)
- Car Charger (Part # 3172-80)
- Vehicle Holder (Powered) (Part # 3214-80)
- X-Dock Vehicle Holder (non-powered) (Part # 3171-80)
- Docking Station (Part # 3924-80)
- Spare Battery (Part # 9028-80)
- AC/DC 3n1 Power Supply US, UK, EU (3169-80)







# Charging the Tablet

△ **CAUTION:** Use only the power adapter and power cable that came with your tablet. Using unauthorized power adapters or power cables may cause severe damage to your tablet.

✎ **NOTE:** The battery is not fully charged when you unpack your tablet.

1. Connect the power cable to the power adapter.
2. Connect the power adapter to an electrical outlet and charge the tablet until the battery is fully charged

You can check the tablet battery charge status displayed on the screen:

Battery Icon	Description
	The battery is fully charged and AC adapter is connected.
	The battery is charging with AC adapter.
	Your tablet is running on battery power and the battery is discharging.
	Your tablet is plugged in, and either no battery is detected or the battery is not working correctly.
	The battery is at a low level.
	Battery is at critical level

## Battery Storage

✎ **NOTE:** When storing the battery for 1-3 months, it is recommended that you follow the below steps.

1. Charge the battery to 50-70% before putting in storage
2. Turn the tablet completely off and unplug it from the charger and store in a cool dry location.
3. The tablet will still have a charge and can function normally when taken out of storage

✎ **NOTE:** When storing the battery for more than 3 months, it is recommended that you follow the below steps.

1. Charge the battery to 50-70% before putting in storage
2. It is best to remove the battery from the unit. If you are comfortable removing the battery, please do so. If not it will not harm the tablet, it will only shorten the lifespan of the battery
3. Store the battery in a cool dry location.
4. The battery should be recharged to 50-70% every 3 to 6 months. Set up a schedule to take the battery out of storage and recharge to this point during its storage life.
5. When you take the tablet out of storage for normal use, first charge it in a tablet while the tablet is turned OFF for 30 minutes before normal use.

# Appendix

## Copyright

Copyright© 2017. All rights reserved.

No part of this user manual may be transmitted, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, without the prior written permission of the manufacturer. Information is subject to change without prior notice.

## Regulatory Statement

### Federal Communications Commission 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 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 the 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. Shielded interconnect cables and shielded AC power cable must be employed with this equipment to ensure compliance with the pertinent RF emission limits governing this device. Changes or modifications not expressly approved by the system's manufacturer could void the user's authority to operate the equipment.

## Declaration of Conformity

This device complies with part 15 of the FCC rules. The operation is subject to the following conditions:

## Appendix

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

## RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and must not be co-located or operate in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

This device is operated in 5.15 – 5.25GHz frequency range, then restricted in indoor use only, Outdoor operations in the 5150~5250MHz is prohibited.

This device is slave equipment, the device is not radar detection and not ad-hoc operation in the DFS band.

## Battery Disposal

THIS PRODUCT CONTAINS A LITHIUM-ION OR NICKEL-METAL HYDRIDE BATTERY. IT MUST BE DISPOSED OF PROPERLY. CONTACT LOCAL ENVIRONMENTAL AGENCIES FOR INFORMATION ON RECYCLING AND DISPOSAL PLANS IN YOUR AREA.

## CLASS 1 LASER PRODUCT

**(ATTENTION):** CLASSIFIED AS A "CLASS 1 LASER PRODUCT." TO USE THIS MODEL PROPERLY, READ THE INSTRUCTION MANUAL CAREFULLY AND KEEP THIS MANUAL FOR FUTURE REFERENCE. IN CASE OF ANY TROUBLE WITH THIS MODEL, PLEASE CONTACT YOUR NEAREST "AUTHORIZED SERVICE STATION." TO PREVENT DIRECT EXPOSURE TO THE LASER BEAM, DO NOT TRY TO OPEN THIS ENCLOSURE.

## **ANNEX IV**

### **Symbol for the marking of electrical and electronic equipment**

The symbol indicating separate collection for electrical and electronic equipment consists of the crossed-out wheeled bin, as shown below. The symbol must be printed visibly, legibly and indelibly.



## **Appendix**

### **CAUTION FOR ADAPTER**

THE TABLET PC IS FOR USE WITH DEDICATED AC ADAPTER.

### **BATTERY SAFETY**

DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED.

REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER.

DISPOSE OF USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.