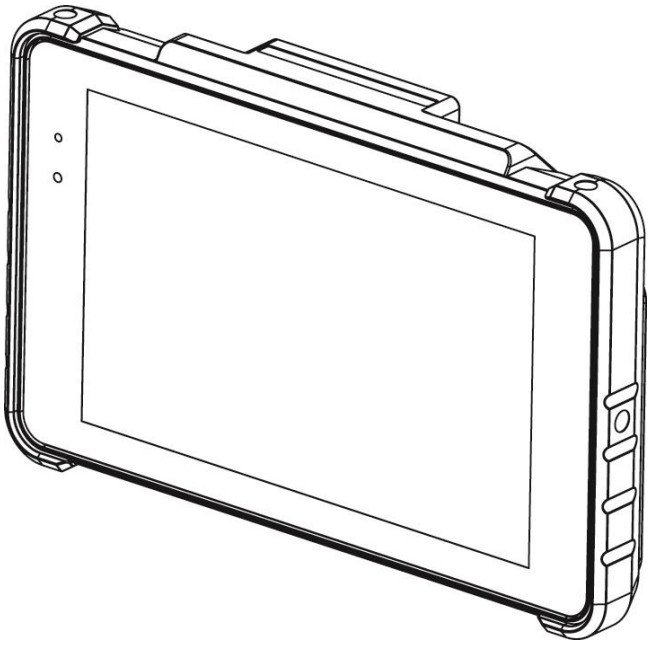
User Manual

Version 1.1 July 2015

Quest Tablet



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Manual Version 1.0

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Safety

Regulatory Information

Caution: Only use approved and UL Listed accessories, battery packs and battery chargers. Do NOT attempt to charge damp/wet mobile computers or batteries. All components must be dry before connecting to an external power source.

Power Supply

Use only the approved power supply 50-14000-148 output rated 5 Vdc and minimum 2 A. The power supply is certified to EN60950-1 with SELV outputs. Use of alternative power supply will invalidate any approval given to this device and may be dangerous.

Warning for Use of Wireless Devices

Please observe all warning notices with regard to the usage of wireless devices.

Potentially Hazardous Atmospheres

You are reminded of the need to observe restrictions on the use of radio devices in fuel depots, chemical plants etc. and areas where the air contains chemicals or particles (such as grain, dust, or metal powders)
and any other area where you would normally be advised to turn off your vehicle engine.

Safety in Aircraft

Switch off your wireless device whenever you are instructed to do so by airport or airline staff.

Pacemakers

Pacemaker manufacturers recommended that a minimum of 15cm (6 inches) be maintained between a handheld wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with independent research and recommendations by Wireless Technology Research.

Persons with Pacemakers

Persons with Pacemakers should ALWAYS keep the device more than 15cm (6 inches) from their pacemaker when turned ON and hence they should not carry the device in a breast pocket .
Should use the ear furthest from the pacemaker to minimize the potential for interference.
If you have any reason to suspect that interference is taking place, turn OFF your device.

Hearing Aids

The wireless device may interfere with some hearing aids. In the event of interference you may want to consult your hearing aid supplier to discuss solutions.

Other Medical Devices

Please consult your physician or the manufacturer of the medical device, to determine if the operation of your wireless product may interfere with the medical device.

FCC/EU RF Exposure Guidelines

Safety Information

This device complies with internationally recognized standards covering Specific Absorption Rate (SAR) related to human exposure to electromagnetic fields from radio devices.

Reducing RF Influence - Use Properly

It is advisable to use the device only in the normal operating position.

Handheld Devices

This device was tested for typical body-worn operation. Use only tested and approved belt-holsters, hand strap and similar accessories to ensure FCC Compliance. The use of third-party belt-clips, holsters, and similar accessories may not comply with FCC RF exposure compliance requirements, and should be avoided.

To comply with FCC RF exposure requirements, this device must be operated in the hand with a minimum separation distance of 2.5 cm or more from a person's body. Other operating configurations should be avoided.

Radio Frequency Interference Requirements - FCC

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.

CE Marking and European Economic Area

The use of 2.4GHz RLAN's, for use through the EEA, have the following restrictions:

- Maximum radiated transmit power of 100 mW EIRP in the frequency range 2.400 -2.4835 GHz
- France, outside usage is restricted to 2.4 - 2.454 GHz.
- Italy requires a user license for outside usage.

Bluetooth® Wireless Technology for use through the EEA has the following restrictions:

- Maximum radiated transmit power of 100mW EIRP in the frequency range 2.400 -2.4835 GHz
- France, outside usage is restricted to 10mW EIRP
- Italy requires a user license for outside usage.

Battery Information

Our rechargeable battery packs are designed and constructed to the highest standards within the industry.
However, there are limitations to how long a battery can operate or be stored before needing replacement.
Many factors affect the actual life cycle of a battery pack, such as heat, cold, harsh environmental conditions and severe drops.
When batteries are stored over six (6) months, some irreversible deterioration in overall battery quality may occur. Store batteries discharged in a dry, cool place, removed from the equipment to prevent loss of capacity, rusting of metallic parts and electrolyte leakage. When storing batteries for one year or longer, they should be charged and discharged at least once a year. If an electrolyte leakage is observed, avoid any contact with affected area and properly dispose of the battery. Batteries must be charged within the 32° to 95° F (0° to +35° C) ambient temperature range.
Replace the battery when a significant loss of run time is detected.

Battery Caution

Risk of explosion if battery is replaced by an incorrectly type.
Dispose of used battery according to the local disposal instructions.

Waste Electrical and Electronic Equipment (WEEE)

English: For EU Customers: All products at the end of their life must be returned to the reseller for recycling.

Notational Conventions

The following conventions are used in this document:

- Italics are used to highlight specific items in the general text, and to identify chapters and sections in this and related documents.
- bullets (•) indicate:
  - action items
  - lists of alternatives
  - lists of required steps that are not necessarily sequential
  - Sequential lists (e.g., those that describe step-by-step procedures) appear as numbered lists.

NOTE This symbol indicates something of special interest or importance to the reader. Failure to read the note will not result in physical harm to the reader, equipment or data.
CAUTION This symbol indicates that if this information is ignored, the possibility of data or material damage may occur.
WARNING! This symbol indicates that if this information is ignored the possibility that serious personal injury may occur.

Revision History

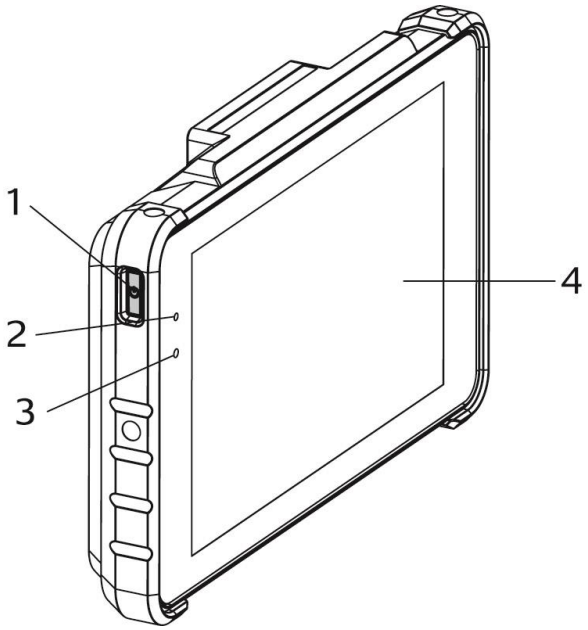
Version	Date	Description
1.0	November 2014	Initial release

Table of Contents

1 Introduction

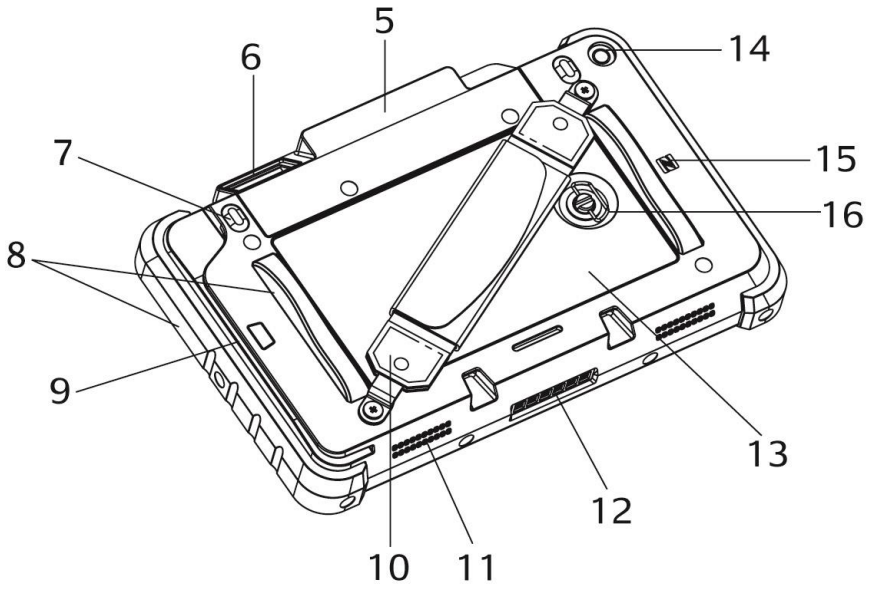
1-1 System Overview

1-1-1 Front View



No.	Description
1	Power button
2	Power LED light indicator
3	Ambient light sensor
4	LCD

1-1-2 Rear View



No.	Description
5	EMV Smart card reader (optional)
6	Scanner (optional)
7	Programmable button(default scan button)
8	Protection bumper
9	MSR
10	Hand strap
11	Speaker
12	Power charging connector
13	Battery cover
14	Camera
15	NFC logo
16	Pen screw

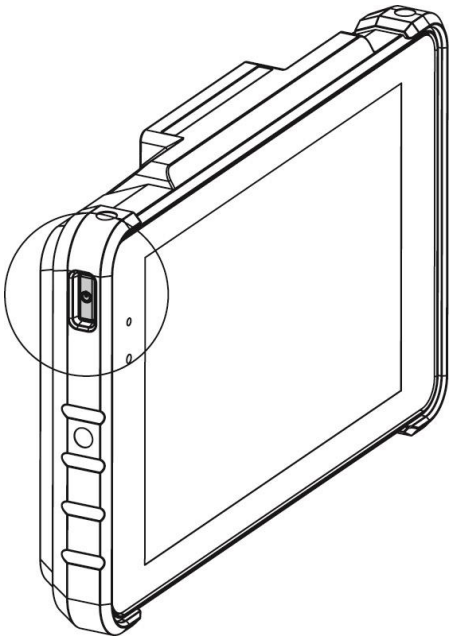
1-2 Specification

System	Quest	
Motherboard	**D31**	
CPU	BayTrail-T Z3745 (up to 1.86Ghz)	
System Memory	2GB LPDDR3 / 4GB LPDDR3 (special order)	
Flash Memory	32G eMMC	
LCD Touch Panel		
LCD Size	7"	10”
Resolution	1280 x 800 (can be scaled down up to 800x600)	1920 x 1200 (can be scaled down up to 800x600)
Touch Screen	P-CAP 5 points Multi-touch	
Wireless Networking		
Wireless LAN	802.11 a/b/g/n, 2.4G/5GHz	
Single SSID	Yes	
Fast Wi-Fi roaming (Max:2 sec)	Yes	
Always on Wi-Fi	Yes	
No popup of neighbor networks selectable by end users	Yes	
Bluetooth	4.0+LE, Class 2	
NFC	1	
Expansion I/O Ports		
Micro SD Slot	1 (under the battery)	
DC input	6 pin pad	
Audio		
Speaker	1 x 1W Speaker	
Control / Indicator		
Power Button	1	
Sensor	G-sensor, Ambient Light Sensor	
Vibrator	Built-in vibrator motor for touch feedback	
LED Indicator	1 (Battery status indicator) *1	
Application Security & Protection		
Configurations Protected	Yes	
Application Environment Protected	Yes	
Prohibit Program Installation	Yes	
Data Security		
Prohibit File Manager	Yes	
Prohibit Direct File & Database Access	Yes	
Prohibit File Copy	Yes	

System	Quest	
Motherboard	**D31**	
Prohibit Data Access via ActiveSync	Yes	
Peripheral		
Camera	5MP (Rear)	
MSR	3-Track USB MSR with Encrypted options available	
Hand strap	1	
EMV card reader	Optional	
Scanner	1D/2D Barcode Scanner (Optional)	
Cradle		
USB Port	micro-USB 2.0 x 1	
Power Adapter	10W / 5V	
Battery & Power		
Battery	8000 mAh, 3.7V, 29.6 Wh *3	
Certificate		
EMC & Safety	FCC Class B / CE Mark / UL	
ESD	Tablet: 8 kV Contact discharge, 15 kV Airdischarge Cradle: 8 kV Contact discharge, 15 kV Airdischarge Docking station: 8 kV Contact discharge, 15 kV Airdischarge	
Environment		
Sealing	IP54 (display side)	
Fall Security	4ft drop	
Operating Temperature (Not in charging mode)	0°C ~ 40°C (32°F ~104 °F)	
Operating Temperature (running charging mode)	0°C ~ 35°C (32 °F ~ +95 °F)	
Storage Temperature	-10°C ~ 45°C (14°F ~ 114°F)	
Operating Humidity	20% - 80% RH non-condensing	
Storage Humidity	20% - 80% RH non-condensing	
Size		
Dimensions	Quest7: 8.0”x5.0”x1.3”	Quest10: 0.6”x6.9”x1.4”
Weight	Quest7: 1.47lbs	Quest10: 2.1lbs
Weight (with all peripherals)	Max 690g (1.52lbs)	
OS Support (32bit only)	Windows 8.1 with Bing, Windows 8.1 Embedded Industry Pro, Windows 8.1 Pro	

2 Getting Started

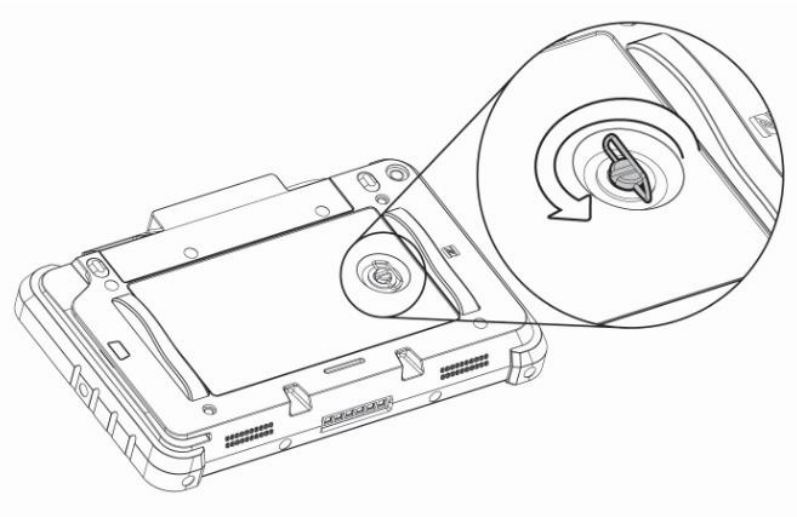
2-1 Power On/Off the System



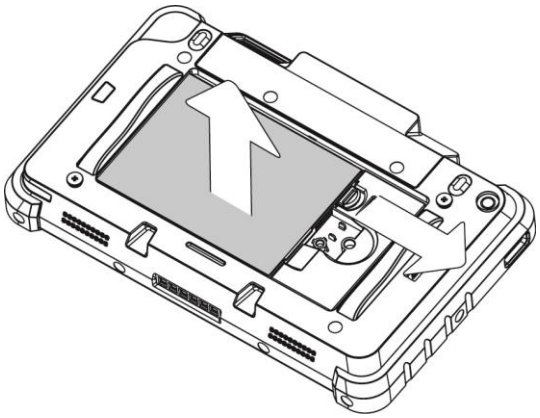
1. Push the power button to turn on the system and hold 4~5 seconds to turn off the system.

   Note: For best touch performance, remove the protective plastic overlay from the LCD screen by peeling it away from one of the corners. Be sure to use a soft pointing device or finger tip to avoid scratching the screen during normal use.

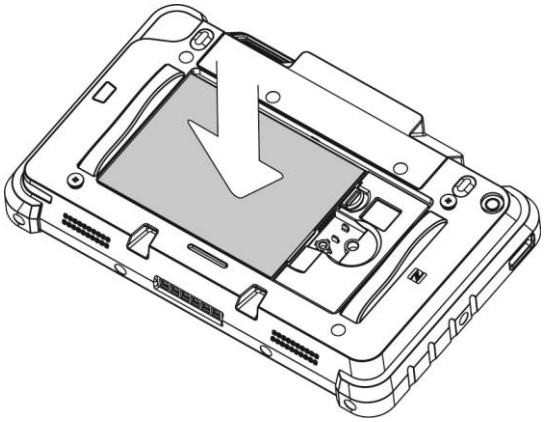
2-2 Replacing the Battery



1. Loosen the pen screw counter-clockwise on the battery cover. Remove the battery cover

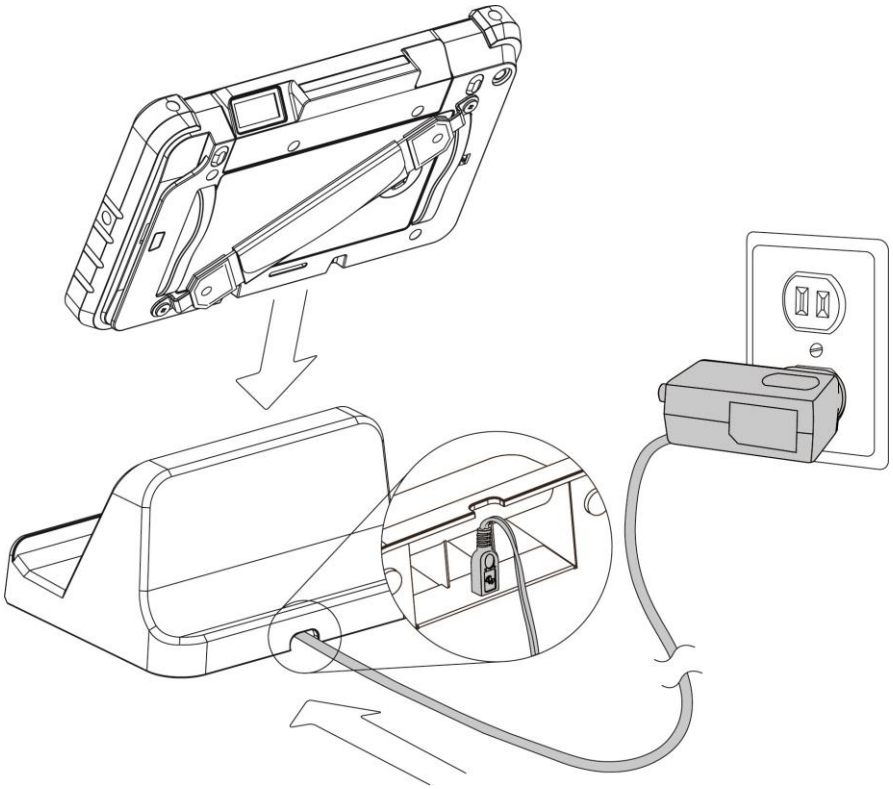


2. Pull the plastic tab and gently remove the battery out of the tablet.



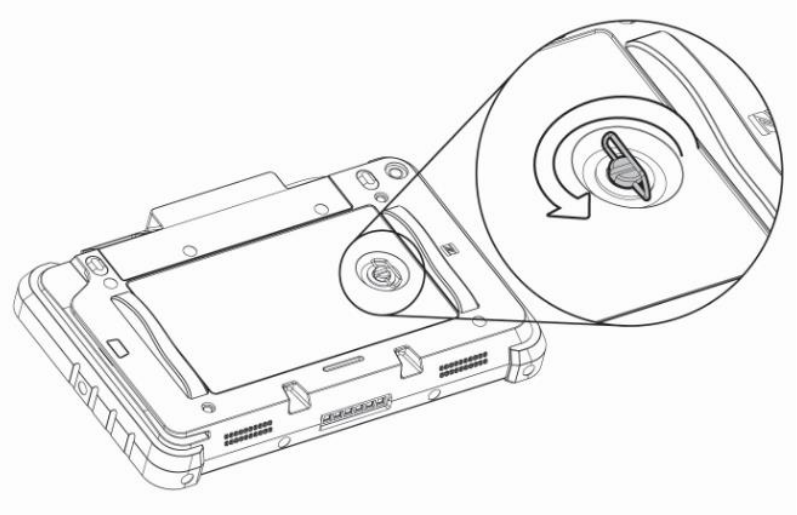
3. To install the battery put the battery into the battery slot and push until the battery clicks into the place.

2-3 Using the Charging Cradle

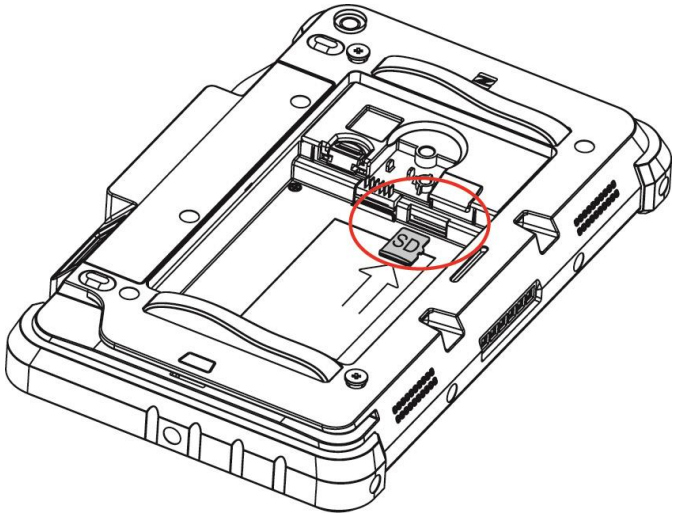


1. Connect the power adapter supplied with the cradle to the connector on the bottom of the cradle charger. Put the tablet on the charging cradle.

2-4 Replacing a Micro SD Card



1. Loosen the pen screw counter-clockwise on the battery cover and remove the battery cover. Remove the battery



2. To install a Micro SD card insert the Micro SD card into the SD card slot until it snaps in place.
3. To remove the Micro SD card just push the card again and slide it outwards.

2-5 Mass storage device connection

1. To transfer the files to the tablet from the mass storage devices (USB HDD, USB thumb drive) you can use cradle and the micro USB to USB-A female cable. Simply plug the cable into the charging dock and connect the mass storage device to the USB-A connector.