

SolidPad LR7 User's Manual

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About This Manual

The SolidPad LR7 User's Manual provides instruction for qualified personnel to follow when setting up a new SolidPad LR7 device.

This document is intended for use by qualified personnel to compliment the training and expertise, not to replace it.

Conventions

Bolded or underlined text is used to emphasize the designated information.



A Note is used to provide additional information for the device or settings.



A Caution is used to warn against potential hazards or to caution against unsafe practices.



A Warning is used to identify immediate hazards for property damage, injury or death.

Basic Safety Guidelines

The following safety guidelines are intended to help protect the user from injury and prevent damage to the hardware.

- Do not place anything on the AC adapters power cable and make sure the cable is not located where it can be tripped over or stepped on.
- Do not cover the AC adaptor as it reduces the cooling
- Do not use the AC adapter while it is inside the carrying case.
- Use only the AC adapter, power cord, and batteries that are approved for use with the device. Use of another type of battery or AC adapter may cause risk of fire or explosion.
- If you use an extension cable with the AC adapter, ensure that the total ampere rating of all products plugged in to the extension cable does not exceed the ampere rating of the extension cable.
- If the device is moved between environments with very different temperature and/ or humidity ranges, condensation may form on or within the device. Avoid damaging the device by allowing sufficient time for the moisture to evaporate before using the device.
- When disconnecting cables, pull on the connector or on its strain relief loop, not on the cable itself. When pulling out or plugging in the connector, keep it evenly aligned to prevent bending the connector pins.

Intended Use

The SolidPad LR7 rugged tablet is equipped with multi-functional terminals for stationary and mobile applications in industrial environments such as logistics, warehousing, fleet management, manufacturing and the automotive industry.

Read the safety guidelines thoroughly before starting any servicing on the device. Read the guidelines before powering up the device, and keep this document for later use.

The operator is solely responsible for any damage resulting from unauthorized modifications to the device.

Unintended Application Use

The device is not designed for use in life-support systems or critical safety/security systems where system malfunction can lead to the direct or indirect endangerment of human life. The operator is fully responsible for using the device in these situations.

Maintenance and Operation Overview

The SolidPad LR7 is designed and manufactured according to strict controls and following the stated safety regulations. The following list identifies incorrect operating uses of the SolidPad LR7. Incorrect use of the SolidPad LR7 can lead to hardware damage, safety issues and possible risk to personnel health:

- The SolidPad LR7 is under operation by untrained personnel;
- The SolidPad LR7 is not maintained as recommended;
- The SolidPad LR7 is not used as intended.

Safety

To prevent injury and damage, read the following safety guidelines prior to operating the device. The manufacturer assumes no liability for any and all damages arising from misuse or noncompliance with these guidelines.

Electrical Hazards

Cleaning/Servicing: Power Off the SolidPad LR7

■ Disconnect the SolidPad LR7 from power before cleaning or servicing it.

Power Adapter

Contact an authorized service personnel for repairs to the power pack. In the event of a blown fuse after replacing the fuse, contact an authorized service personnel to avoid electrical shock.

Use only Supplied Power Cables

roda power cables meet industrial requirements for low-temperature flexibility, UV resistance, and oil resistance. Use only supplied power cables from roda.

If other power cables are used, the following may apply:

- The operator is solely responsible for the resulting damage;
- All roda warranties are void.

Environmental Hazards

Do not use the SolidPad LR7 in locations near/with flammable gases or vapor.

The use of electrical equipment in explosive environments can be dangerous.

■ Turn off the device when near a gas station, fuel depot, chemical plant or a place where blasting operations take place.

Environmental

Ambient Temperature

The SolidPad LR7 operates on the basis of a passive cooling concept which internal waste heat is released via the housing surface and requires fresh airflow in the environment.

- Operating the SolidPad LR7 with no fresh cooling air may cause overheating and damage to the device.
- The operating environment should not be enclosed to prevent the cool air being heated by the heat waste from the device.

Connecting and Disconnecting External Devices

To prevent the considerable damage, the SolidPad LR7 and the external device should be disconnected from power when connecting/disconnecting excluding USB devices.

Only Use Authorized Accessories

Only use the supplied cables, power packs and other accessories that have been tested and approved by roda. Contact your local distributor for further information.

Radio Transmissions

Permitted Transmission Power

Follow the national regulations for the maximum permitted transmission power.

The operator is solely responsible for this type of operation.

Radio Frequency Limited Locations

Considering the radio frequency limitation in hospitals and aircraft, the SolidPad LR7 can only be installed with permission.

Industrial computers may affect the function of implanted medical devices such as pacemakers and may cause malfunction.

Cleaning and Servicing

- Disconnect the SolidPad LR7 from power before cleaning or servicing.
- Never clean the SolidPad LR7 with compressed air, a pressure washer or a vacuum cleaner.
- If necessary, clean the housing of the SolidPad LR7 with a damp cloth.
- Clean the touch-screen with a nonabrasive cloth.

Regulatory and Certification

FCC

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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference at his own expense.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/ TV technician for help.



Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

This device is operation in 5.15 - 5.25GHz frequency range, then restricted in indoor use only, Outdoor operations in the 5.15 - 5.25GHz is prohibit.

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

Labeling Requirements

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.

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The highest SAR value for the device as reported to the FCC is **0.57** W/kg when placed next to the body.

CE Marking

This product has passed the CE test for environmental specifications when shielded cables are used for external wiring. We recommend the use of shielded cables. Please contact your local representative for ordering information.

This product has passed the CE test for environmental specifications. Test conditions for passing included the equipment being operated within an industrial enclosure. In order to protect the product from being damaged by ESD (Electrostatic Discharge) and EMI leakage, we strongly recommend the use of CE-compliant industrial enclosure products.

R&TTE

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC.

СВ

This device complies with the IEC 60950-1:2005+A1.

Lithium Battery Safety Statement



Lithium battery inside. Danger of explosion if battery is incorrectly replaced. Replace only with same or equivalent type recommended by battery manufacturer.

Chapter 1. Introduction

The SolidPad LR7 is a rugged device equipped with 802.11, Bluetooth, GPS and GLONASS for wireless data communications.

The SolidPad LR7 is a rugged 10.1" tablet computer capable of 1920 x 1200

resolution. The SolidPad LR7 supports the following operating systems:

- Windows[®] Embedded 8.1 Industry 64bits
- Windows[®] Embedded Standard 7 64bits
- Windows[®] 7 Professional 64bits
- Windows[®] Embedded Standard 8 64bits
- Android[™] 4.4

About This Guide

The SolidPad LR7 User Manual provides instruction for qualified personnel to use as a guide for setup of the device. This document is not intended to replace the training and expertise of the end-user.

Unpacking the Device

Before you begin the installation or configuration process make sure to inspect all components and accessories. Contact your representative if there are any missing or damaged items. See *"Contacting roda"* on page 52.

Technical Specifications

ltem	Description
Display	10.1-inch LED Backlight, 1920 (W) x 1200 (H) WUXGA
Touch screen	10-point capacitive touch screen
Brightness	1000 nits
CPU	Intel Dual Core Atom E3827 1.75 GHz (Bay Trail)
Operating System	Windows [®] Embedded 8.1 Industry 64bits
RAM	DDR3L@1333 MHz 4 GB RAM (optional: 8 GB)
Storage	mSATA SSD 128 GB (optional: 256 GB)
Battery	 Standard hot swappable battery: 10.8V, 4500mAh, Li-polymer External hot swappable battery: 10.8V, 9000mAh, Li-polymer (optional) Backup: 3.6V, 2500mAh
Power Supply	AC 100V ~ 240V, 50~60Hz input; 19VDC@3.42A, 65W
Dimensions (W x H x L)	280 mm (11") x 23 mm (0.9") x 195 mm (7.7")
Weight	1.33 kg (2.93 lbs)

Table 1. Technical Specifications

Item	Description
Wireless	
WLAN	Wi-Fi IEEE 802.11 a/b/g/n/ac
Bluetooth	Bluetooth V4.0
WWAN (Optional)	Optional for 3.5G or 4G LTE
Sensor	
Sensor	Gyroscope, G sensor, E-compass, Light sensor
I/O	
Docking Connector	12-pin
DC-IN Jack	x1
Micro SIM Card Slot	x1
MicroSD Slot	x1
Audio Jack	x1; headphone / microphone combo
USB 3.0	x1; type A
USB 2.0	x1; type A
RS-232	x1 (optional for USB 2.0; type A)
Micro HDMI	x1
Ethernet	x1
Security	
ТРМ	TPM 1.2
BIOS On/Off for I/Os	Yes
Data Collection	
Camera	 Front: 2.0 Mega-Pixels camera Rear: 5.0 Mega-Pixels camera with LED auxiliary light and Auto-focus
GPS	Yes
NFC	Optional
Barcode Reader	Optional
Magnetic Stripe Reader	Optional
Smart Card Reader	Optional
Rugged Specifications	
Drop	183 cm (5 feet), 26 drops on plywood

Item	Description
MIL-STD 810G	 Vibration (MIL-STD-810G Method 514.6 Category 4, Fig 514.6C-1, Fig 514.6C-2, Fig 514.6C-3) Drop (MIL-STD-810G Method 516.6 Procedure IV) Mechanical shock (MIL-STD-810G Method 516.6 Procedure I, Procedure V) Operation and storage temperature (MIL-STD-810G Method 501.5 and 502.5) Humidity MIL-STD-810G Method 507.5 Humidity Procedure II Aggravated Cycles (Fig 507.5-7)
IP rating	IP65
Operating Temperature Range	-20°C (-4°F) to 50°C (122°F)
Storage Temperature Range	-30°C (-22°F) to 70°C (158°F)
Humidity	5-95% without condensation

SolidPad LR7 Configuration Options

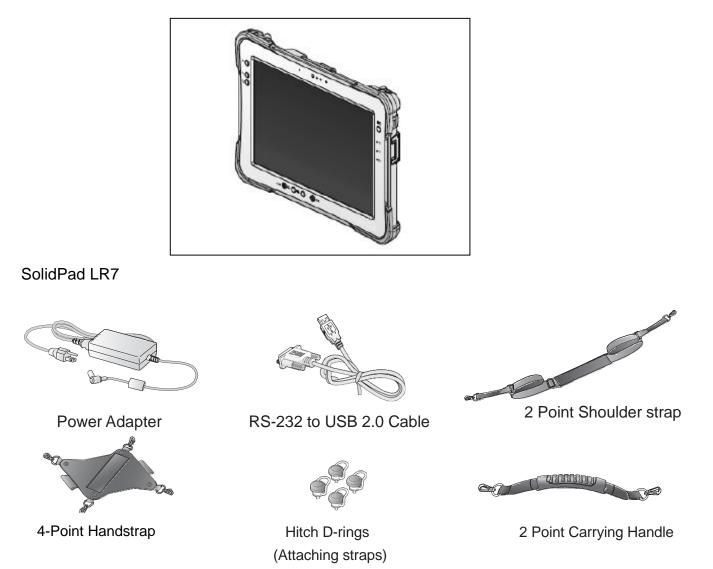
The following options are available for the SolidPad LR7:

- NFC module
- Barcode reader
- Magnetic stripe reader
- Smart card reader
- High capacity battery
- Digitizer
- 3.5G or 4G LTE

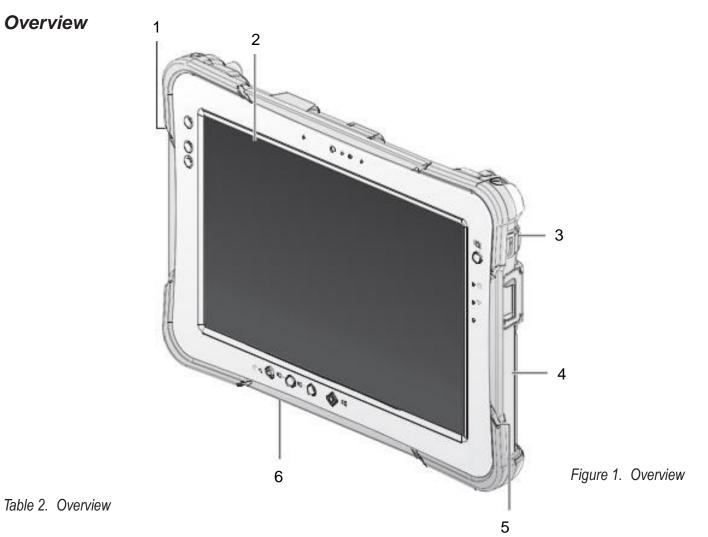
Introduction

Parts List

The SolidPad LR7 is shipped with the following items. All other accessories are sold and ordered separately. For help, contact your local roda sales representative. See *"Contacting roda"* on page 52.



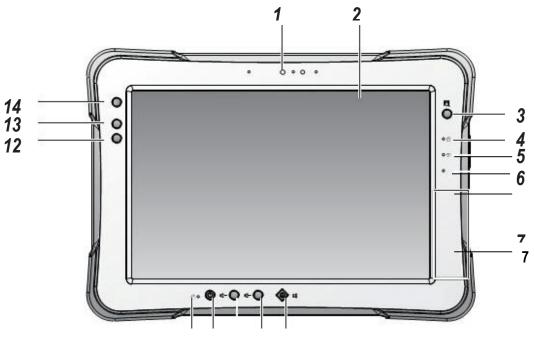
Identifying the Device



No	ltem	Description
1	Left view	See "Side View" on page 14 for further information.
2	Front view	See "Front View" on page 12 for further information.
3	Rear view	See "Rear View" on page 15 for further information.
4	Right view	See "Side View" on page 14 for further information.
5	Rubber bumpers	Easy to grip rubber bumpers enable the rugged tablet to withstand shocks and drop for use in demanding environments.
6	Bottom view	See "Bottom View" on page 13 for further information.

Introduction

Front View



11 10 9 8 Figure 2. Front View

Table 3. Front View

No	Item	Description
1	Front camera	2.0 Mega-Pixels camera.
2	Touch screen	10-pint capacitive touch.
3	Barcode trigger	If barcode scanner is installed, press to scan.
4	Power LED	The power LED lights when the device is on or when the battery is being charged.
5	Wi-Fi LED	The Wi-Fi LED lights to indicate Wi-Fi is enabled.
6	FN LED	The FN LED lights when the function switch on.
7	NFC sensing area	For detecting NFC devices. (Optional)
8	Home key	Windows [®] 8 home key.
9	Volume -	Volume decrease.
10	Volume +	Volume increase.
11	Power key	Turns the SolidPad LR7 on or off.
12	F2 key	Programmable function key.
13	F1 key	Programmable function key.
14	FN key	Programmable function key.

LED Status

Table 4. LED Status

ltem	Status	Description
	Green: On	Power on / not charging
	Amber: On	Power on / charging
Power	Amber: Blinking	Low power < 10%
	Off	Power off / charging full / no battery
FN	Green: On	FN function switch on
	Green: Off	FN function switch off
Wi-Fi	Green: On	Wi-Fi on
	Green: Off	Wi-Fi off

Bottom View

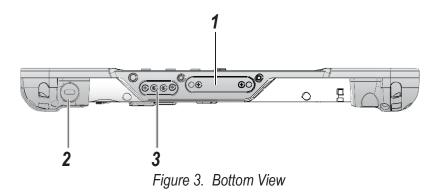
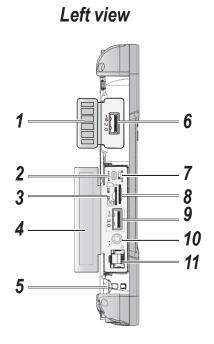


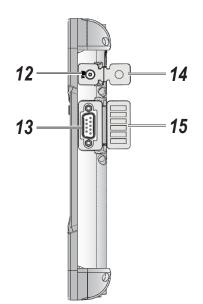
Table 5. Bottom View

No	ltem	Description
1	Docking connector	12 pin connector for docking onto a station.
2	Kensington lock	Lock the SolidPad LR7 to a stationary object for security.
3	Pass-through	Dual pass-through for WLAN, GNSS and WWAN.

Side View







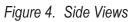


Table 6. Side View

No	Item	Description
1	Left I/O compartment cover	Open to access the USB 2.0 port.
2	Micro HDMI	Connect HDMI devices to the SolidPad LR7.
3	MicroSD slot	Insert microSD card in to the slot.
4	Left I/O compartment cover	Open to access the left I/O ports.
5	Tether hole	Stylus can be tethered to it.
6	USB 2.0	Connect USB devices to the SolidPad LR7.
7	Battery switch	Switch to ON to provide power from the battery.
8	Micro SIM slot	Insert micro SIM card for 3G or 4G LTE communication function.
9	USB 3.0	Connect USB devices to the SolidPad LR7.
10	Audio jack	Connect a headphones or external speakers.
11	Ethernet	Connect the SolidPad LR7 to an Ethernet (RJ-45) cable.
12	DC-IN jack	Insert power connector to charge battery.
13	RS-232	Connect the SolidPad LR7 to a serial device or USB devices via a RS-232 to USB cable.
14	DC-IN cover	Open to access the DC-IN jack.
15	Right I/O compartment cover	Open to access the right I/O port.

Rear View

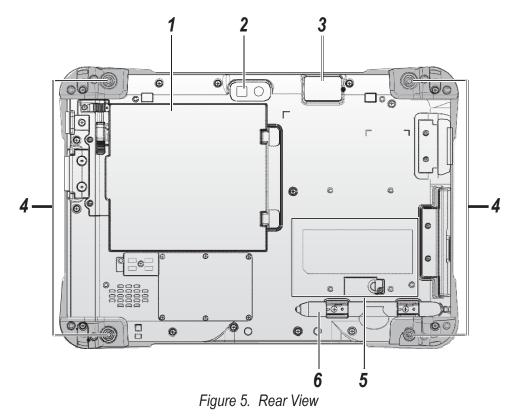


Table 7. Rear View

No	ltem	Description
1	Battery	To install a battery, an external battery is optional.
2	Rear camera	5.0 Mega-Pixels camera with LED auxiliary light.
3	Barcode reader	For installing a barcode reader (Optional).
4	Securing holes	Secure the bumpers and the D-rings for the handstrap and shoulder strap.
5	Expansion bay	Remove the cover to find the barcode reader connector.
6	Stylus holder	Place stylus here.

Introduction

Dimensions

The following image lists the device dimensions without add-ons (mm/inches).

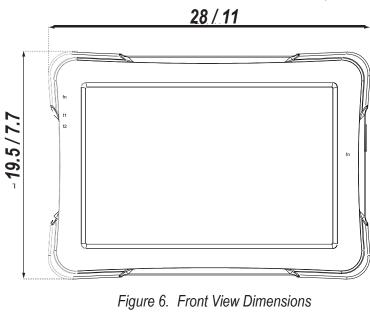




Figure 7. Side View Dimensions

Touch Screen Features



Always use the point of the stylus for clicking or making strokes on the touch screen.

Never use an actual pen, pencil, or sharp/abrasive object on the touch screen.

The stylus is used as if it were a pen or pencil. Touch the screen with the tip of the stylus then remove the stylus from the screen.

After each use, replace the stylus in the stylus holder for proper care and to preserve the life of the stylus.

Using a stylus is similar to moving the mouse pointer then left-clicking icons on a desktop computer screen.

The following actions are available through the use of the stylus:

- Open applications
- Choose commands in menu
- Select options in dialog box or drop-down menu
- Drag the scroll bar
- Drag across the text to select content
- Place the cursor in a text box before typing

A right click is generated by tapping the mouse icon in the system tray. After tapping, the mouse icon highlights the right button of the icon in red. The next touch screen tap is treated as a right click. The mouse icon returns to the left button highlighted in red so subsequent taps are treated as left clicks.

A stylus replacement kit is available.

Chapter 2. Getting Started

This section provides an outline of the steps necessary to setup a new SolidPad LR7. A detailed guide follows the listed items, see as follows.

For additional technical assistance, contact your roda representative. See "Contacting roda" on page 52.



It is recommended to installing or remove accessories on a clean, well-lit work surface. To protect yourself and the device from electrostatic discharge, wear anti-static wrist straps or place the device on an anti-static mat.

First Time Use

- 1. Open the left I/O compartment cover. See "Opening the I/O Compartment Cover" on page 26.
- 2. Switch the switch to the ON position.

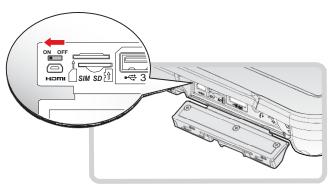


Figure 8. Switching the Battery Switch

3. Close the left I/O compartment cover. See *"Closing the I/O Compartment Cover"* on page 27.

Charging the Battery

When you use the AC adapter to connect your SolidPad LR7 to a power outlet, the standard and external (optional) battery will automatically begin to recharge.

While the battery is charging, the power LED will be active. When the battery is fully charged, the power LED is lit a solid green.

1. Flip open the DC-IN cover to expose the DC-IN jack.

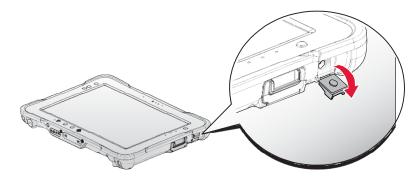


Figure 9. Opening the DC-IN Cover

2. Connect the AC adapter to the DC-IN port.

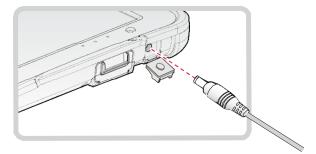


Figure 10. Connecting the AC Adapter

After charging the battery, disconnect the AC adapter and close the DC-IN cover.

- 1. Insert one end of the cover first and angle the cover to seat it in place.
- 2. Push in the cover to seal the DC-IN compartment.

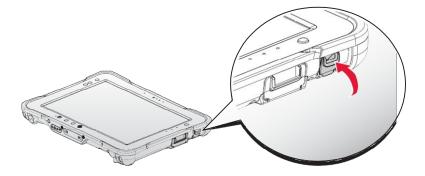


Figure 11. Closing the DC-IN Cover



The DC-IN cover must be inserted correctly to prevent internal damage to the device.

Powering the Device On and Off

Powering On the Device

Only power on the SolidPad LR7 after connecting all of the peripherals and cabling.

1. Press and hold the power button until the screen lights. The device runs through the start up sequence and powers up.



Figure 12. Power On the SolidPad LR7

Powering Off the Device

Start screen:

Tap \bigcirc > Shut down.

- Desktop screen:
 - 1. Tap and hold **t** at the bottom left corner of the Desktop screen.
 - 2. Tap **Shut down or sign out** > **Shut down**.
- Both Start screen and Desktop screen:
 - 1. Display charm bar and tap **Settings**.
 - 2. Tap **Power > Shut down**.

Installing the Micro SIM Card

The device includes a micro SIM card slot for cellular and wireless connection. Only a micro SIM card is supported in the slot.



Check with your network or cellular service provider for availability and cost rates.

- 1. Power down the device.
- 1. Open the left I/O compartment cover. See "Opening the I/O Compartment Cover" on page 26.
- 2. Locate the micro SIM slot in the left I/O parts.

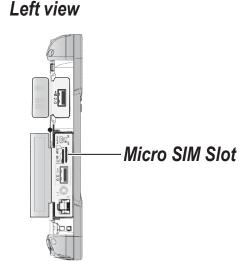


Figure 13. Left View: Locating the Micro SIM Slot

- 3. Take the micro SIM card from its packaging.
- 4. The micro SIM card has a corner missing. Align the SIM card with the slot making sure that the corners match.
- 5. Insert the micro SIM card and press it in until an audible click sounds.

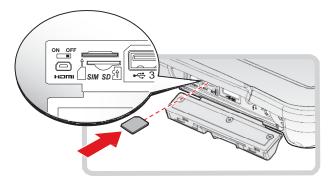


Figure 14. Installing the Micro SIM Card

6. Close the left I/O compartment cover. See "Closing the I/O Compartment Cover" on page 27.

Removing the Micro SIM Card

- 1. Power down the device.
- 1. Open the left I/O compartment cover. See "Opening the I/O Compartment Cover" on page 26.
- 2. Locate the micro SIM slot in the left I/O parts.

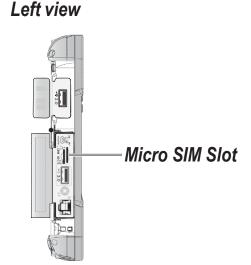


Figure 15. Left View: Locating the Micro SIM Slot

Getting Started

- 3. Press the micro SIM card in and release it. The card springs out.
- 4. Grasp the micro SIM card and remove it from the slot.

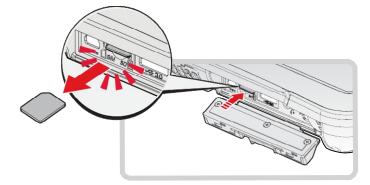


Figure 16. Removing the Micro SIM Card

5. Close the left I/O compartment cover. See "Closing the I/O Compartment Cover" on page 27.

Installing the MicroSD Card

The device supports microSD card for easier data storage.

- 1. Power off the SolidPad LR7.
- 1. Open the left I/O compartment cover. See "Opening the I/O Compartment Cover" on page 26.
- 2. Locate the microSD slot in the left I/O parts.

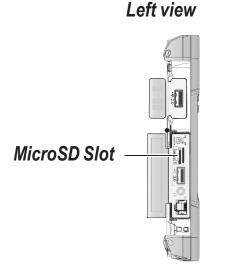


Figure 17. Left View: Locating the MicroSD Slot

- 3. The microSD card has a beveled edge. Align the microSD card with the slot making sure that the corners match.
- 4. Insert the microSD card and press it in until an audible click sounds.

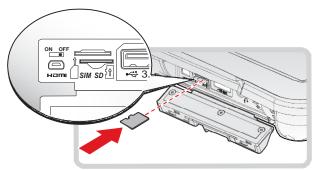


Figure 18. Installing the MicroSD Card

5. Close the left I/O compartment cover. See "Closing the I/O Compartment Cover" on page 27.

Removing the MicroSD Card

- 1. Power off the SolidPad LR7.
- 1. Open the left I/O compartment cover. See "Opening the I/O Compartment Cover" on page 26.
- 2. Locate the microSD slot in the left I/O parts.

Left view

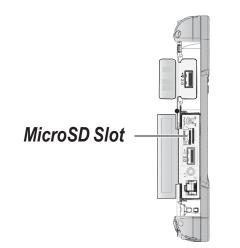


Figure 19. Left View: Locating the MicroSD Slot

Getting Started

- 3. Press the microSD card in and release it. The card springs out.
- 4. Grasp the microSD card and remove it from the slot.

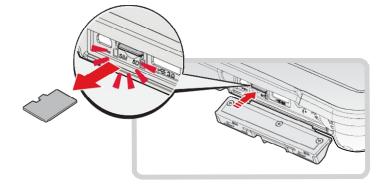


Figure 20. Removing the MicroSD Card

5. Close the left I/O compartment cover. See "Closing the I/O Compartment Cover" on page 27.

Using the Stylus

Following the information below when using a stylus:

- Use only the included stylus to touch the screen. Do not place any objects on its surface and do not press down strongly with sharp-pointed or hard objects that may leave marks (e.g., nails, pencils and ball point pens).
- Use the stylus only for touching the screen. Using it for any other purpose may damage the stylus and result in scratches on the screen.
- The pointer cannot follow the stylus movement if you move the stylus too quickly.

To make a selection, tap the screen once with the stylus. To double-click, tap twice without pausing. To do a right-click, tap the screen once and hold the tip of the stylus on the screen, the right-click icon appears.

Removing the Protective Film from the Display

The front display of the SolidPad LR7 is protected during transport by a transparent film. This film should remain on the front display during assembly to avoid damage to the front display surface.

Only remove the film once all of the assembly work has been completed.

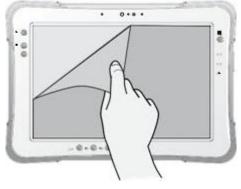


Figure 21. Removing the Protective Film

Chapter 3. Operation

Opening the I/O Compartment Cover

- 1. Place the device display side down on a clean work surface.
- 2. Locate the I/O compartment cover.

Left view



Figure 22. Side View: Locating the I/O Compartment Cover

3. Unlock the latch. (Only available for the left I/O compartment cover)

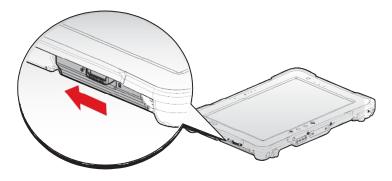


Figure 23. Unlocking the Latch

4. Pull out the I/O compartment cover.

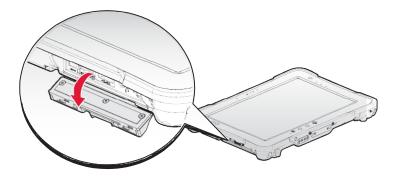


Figure 24. Openin the I/O Compartment Cover

Closing the I/O Compartment Cover

- 1. Place the device display side down on a clean work surface.
- 2. Locate the I/O compartment cover.



Figure 25. Side View: Locating the I/O Compartment Cover

3. Flip the I/O compartment cover and install.

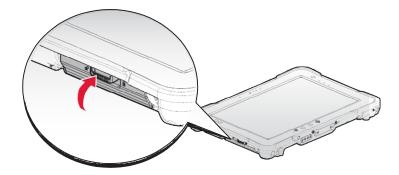


Figure 26. Installing the I/O Compartment Cover

4. Lock the latch. (Only available for the left I/O compartment cover)

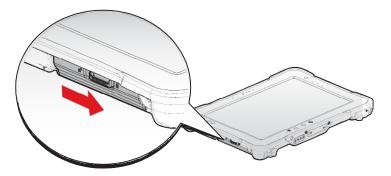


Figure 27. Locking the Latch



The I/O compartment cover must be inserted correctly to prevent internal damage to the device.

Connecting to External Cabling



To prevent damage to the device, connect all cabling and accessories before powering up the device.

Connect USB Cabling

The SolidPad LR7 have one USB 3.0 and one USB 2.0 ports for connecting USB devices, such as a digital camera, scanner, printer, modem, and mouse. The USB ports support USB 2.0 or USB 3.0 devices.

- 1. Open the left I/O compartment cover. See "Opening the I/O Compartment Cover" on page 26.
- 2. Connect to USB device via USB cable.

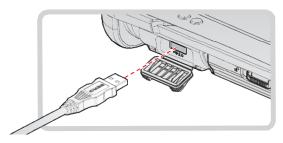


Figure 28. Connect USB 2.0 Cabling

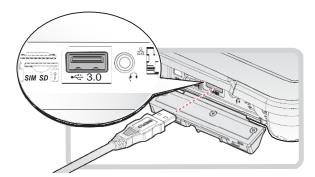


Figure 29. Connect USB 3.0 Cabling

Connect Ethernet Cabling

The SolidPad LR7 provide have a Ethernet port for connecting Ethernet.



Use a shielded cable is required to maintain emissions and susceptibility compliance.

- 1. Open the left I/O compartment cover. See "Opening the I/O Compartment Cover" on page 26.
- 2. Connect LAN cable to Ethernet port on the SolidPad LR7.

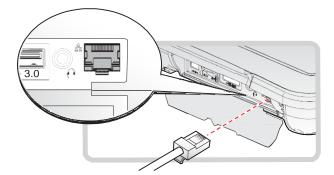


Figure 30. Connect Ethernet cabling

Connect Audio Cabling

For higher audio quality, you can send sound through external audio devices such as speakers, headphones, or earphone using audio connector.

- 1. Open the left I/O compartment cover. See "Opening the I/O Compartment Cover" on page 26.
- 2. Connect the audio cable.

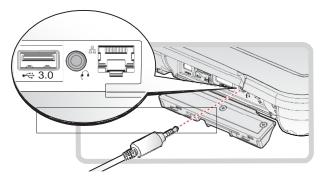


Figure 31. Connect Audio Cabling

Operation

Connect Micro HDMI Cabling

Connect to HDMI devices via micro HDMI cable.

- 1. Open the left I/O compartment cover. See "Opening the I/O Compartment Cover" on page 26.
- 2. Connect micro HDMI cable to micro HDMI port on the SolidPad LR7.

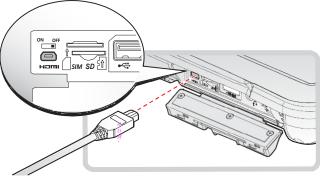


Figure 32. Connect Micro HDMI Cabling

Connect RS-232 Cabling

Connect to RS-232 devices via RS-232 cable.

- 1. Open the right I/O compartment cover. See "Opening the I/O Compartment Cover" on page 26.
- 2. Align the RS-232 cable with the port in the device and connect it.
- 3. Turn the locking screws on the cable to secure it to the device.

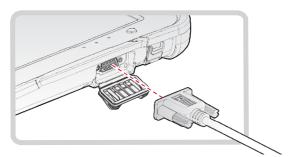


Figure 33. Connect RS-232 Cabling

Handstrap and Shoulder Strap

The SolidPad LR7 is equipped with a handstrap and a shoulder strap to provide users safety use.

For more information, see "Connecting the Handstrap" on page 31 and "Connecting the Shoulder Strap" on page 33.

Connecting the Handstrap

1. Remove the screws securing the bumpers.



Figure 34. Removing the Screws

2. Install the D-rings.



Make sure the D-rings are tightly secured before installing the handstrap.

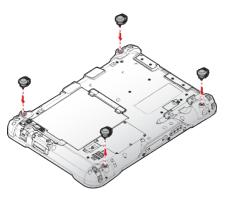


Figure 35. Installing the D-rings

Operation

3. Connect to lock the handstrap on the D-rings.



When the handstrap is installed, the stylus can be placed under the strap.

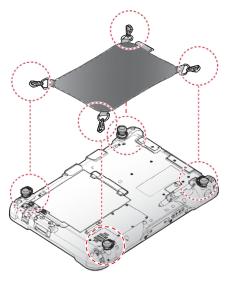


Figure 36. Connecting the Handstrap

Removing the Handstrap

1. Unlock the handstrap from the D-rings.

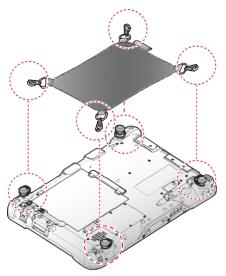


Figure 37. Removing the Handstrap

2. Remove the D-rings.

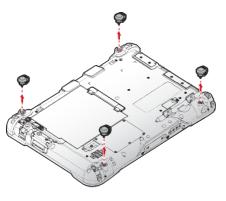


Figure 38. Removing the D-rings

3. Secure the bumper and the PM-521 with screws.



Figure 39. Securing the Screws

Connecting the Shoulder Strap

1. Remove the screws securing the bumpers.



Figure 40. Removing the Screws

2. Install the D-rings.



Make sure the D-rings are tightly secured before attaching the shoulder strap.

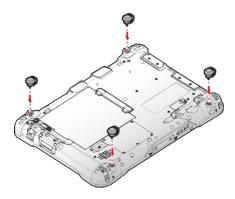


Figure 41. Installing the D-rings

3. Attach the clips to the D-rings to attach the shoulder strap.

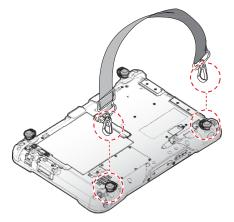


Figure 42. Connecting the Shoulder Strap

Removing the Shoulder Strap

- 1. Press in the clips to release them from the D-rings.
- 2. Remove the clips.

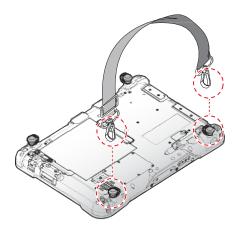


Figure 43. Removing the Shoulder Strap

3. Remove the D-rings.

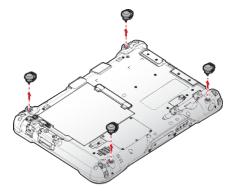


Figure 44. Removing the D-rings

4. Secure the bumper and the PM-521 with screws.

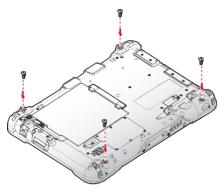


Figure 45. Securing the Screws

Connecting the Carrying Handle

1. Attach the clips to the metal loop on the bumper.

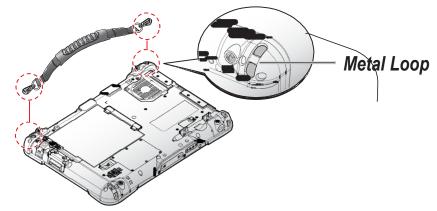


Figure 46. Connecting the Carrying Handle

Removing the Carrying Handle

- 1. Press in the clips to release them from the metal loop.
- 2. Remove the clips.

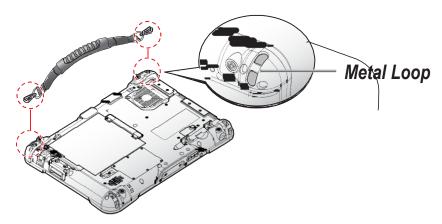


Figure 47. Removing the Carrying Handle

Installing the Standard Battery

The following instructions are for both standard and external batteries. The external battery is an optional component. Only use components specifically designed for this device. Contact your local representative for ordering information.



Make sure the power switch is switched to ON before installing the standard/external battery. See *"First Time Use"* on page 18.

- 1. Place the device display side down on a clean work surface.
- 2. Locate the battery.

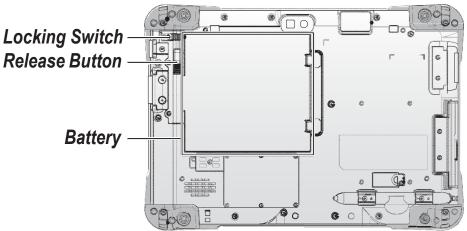


Figure 48. Rear View: Locating the Battery

- 3. Steganterthalbs.competre.bdttlee/RWith5211evsithtssorethee chassis.
- 4. Angle the battery in place and set the tabs in the chassis slots.
- 5. Lower the raised end of the battery and pressin place until an audible click is heard.

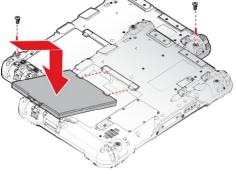


Figure 49. Installing the Battery

6. Slide the locking switch on the top-left side to lock the battery.

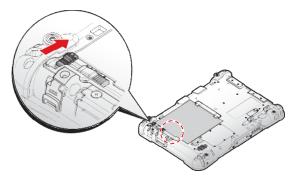


Figure 50. Locking the Battery



Make sure the latch is securely locked to prevent the battery from falling.

Removing the Standard Battery

- 1. Place the device display side down on a clean work surface.
- 2. Locate the battery.

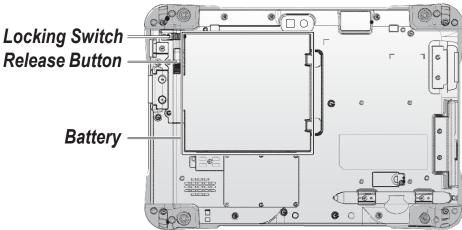


Figure 51. Rear View: Locating the Battery

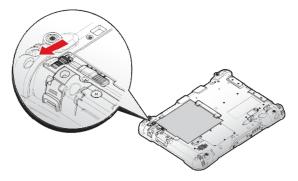


Figure 52. Unlock the Battery

- 4. Press and hold the release button as shown in the image to release the battery.
- 5. Hold the battery and angle the left side up to remove.

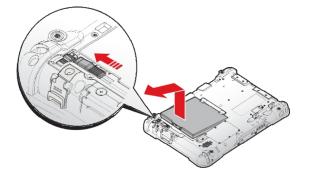


Figure 53. Removing the Battery

Connecting to a Wireless Network

Before you can make use of the SolidPad LR7wireless functions, you need to connect to a network. The following is a set of procedures for connecting to a wireless network.

- 1. Before beginning, make sure your Wi-Fi setting is enabled and you are within range of a wireless network. If your Wi-Fi setting is disabled, proceed to step 2.
 - Look at the Network icon located at the right side of the taskbar. If the icon displays an X in a red circle, you are not within range of a wireless network. Move to a different spot until the Wi-Fi icon changes status indicating availability to a wireless network.
- 2. From any screen, open the Charms bar by sliding your finger inward from the screen's right edge. The Charms bar displays along the screen's right side.
- 3. In the Charms bar, tap **Settings** to open the **Settings** menu.
- 4. In Settings, tap the Network icon to display the Networks connection settings.
- 5. The Wi-Fi menu displays. By default, the Wi-Fi menu is set to Off. Tap the bar next to Off to toggle Wi-Fi to On. This enables the Wi-Fi option.
- 6. Once W-Fi is enabled a listing of all available wireless networks displays. The wireless networks with the strongest signal are atop the list.
- 7. Select the network you want to connect to, and tap the **Connect** button. You can tap the **Connect Automatically** check box if you connect to this network frequently. If you connect to the network, you are finished with the process. The network is considered an Open unsecured network, no passoword is required.

- 8. Slide the locking switch on the top-left side to the unlock position.
- 9. If a password is required, type the password in the **Enter the network security key** field. Alternatively, you can also push the WPS button on your router to begin the security handshake.
- 10. Tap **Next** to finish the connection process.

You have successfully connected to a wireless network.

Chapter 4. Using BIOS Setup Utility

Your ruggedized tablet has a BIOS setup utility which allows you to configure important system settings, including settings for the Boot and AP menus as well as the device's basic settings--the system reads the basic settings during initialization in order to boot correctly

When to Use the BIOS Setup Utility

You need to run the BIOS Setup utility when:

- Restoring to BIOS settings to factory default
- Modifying specific hardware settings
- Modifying specific settings to optimize system performance
- Installing Windows 7 operating system

Accessing the BIOS Setup Utility



The BIOS Setup Utility screens shown in this chapter are for your reference only. The actual images or settings on your tablet computer may differ.

The BIOS Setup Utility program may have been updated after the publication of this manual.

To run the BIOS Setup Utility, use the following procedures:

- 1. Perform one of the following:
- If the SolidPad LR7 is powered off Press the Power button to start up the device. The power LED lights. Quickly press and hold the Windows Home key until the BIOS Post screen displays.
- If the SolidPad LR7 is powered on Press the Power button to shut down the device. Quickly press and hold the Windows Home Key until the BIOS Post screen displays.

The BIOS POST screen appears as shown.

2. From the BIOS POST screen select App Menu to open the BIOS Setup Utility.

Boot Menu	App Menu
Windows Boot Manager	ीयूर Setup
SSE064GPTC0-S81	
Realtek PXE B01 D00	
Internal Shell	

Figure 54. BIOS POST Screen

Due to the device's fast boot up and boot down time, there is only a small time frame of a few seconds between the release of the Power button and the opportunity to press the Windows Home key.

The App Menu displays.



Figure 55. BIOS Setup Utility: App Menu Screen

Installation an Operating System

Setting Up a Windows 7 Installation Environment

There are several settings in BIOS that must be modified before you can install a Windows 7 operating system.

Use the following guidelines to prepare the BIOS environment:

- Step 1: Enable CSM Support
 - 1. Access the BIOS Setup Utility, see "Accessing the BIOS Setup Utility" on page 39.
 - 2. Navigate to **APP Menu > Main > Boot Features**.
 - 3. Locate the **CSM Support** setting and tap the drop-down menu to display the options.

4. Tap **Yes** to enable CSM support.

PHOENIX SECURECORE TECHNOLOGY SETUP		
Main		Boot Features
System Date View or set system date.		NumLock:
System Time View or set system time.		CSM Support Yes Quick Boot
System Information Display System Information.		Off Legacy Boot
Boot Features Select Boot features		On Example
Network Stack Network Stack		
		phoenix
Exit Main	Advanced	Home Discard Save Boot

Figure 56. Main > Boot Features

- Step 2 Enable Legacy Boot
 - 1. Access the BIOS Setup Utility, see "Accessing the BIOS Setup Utility" on page 39.
 - 2. Navigate to **APP Menu > Main > Boot Features**.
 - 3. Locate the Legacy Boot setting and tap on the menu to select **On** enable legacy boot.

PHOENIX SECURECORE TECHNOLOGY SETUP	
Main	Boot Features
System Date View 'or set system date.	Numlock:
System Time View or set system time.	CSM Support Yes Quick Boot
System Information Display System Information.	Off Legacy Boot
Boot Features Select Boot features	On 📃
Network Stack Network Stack	
	phoenix
Exit Main Advanced	Home Discard Save Boot

Figure 57. Main > Boot Features

- Step 3: Enable USB 2.0 Support
 - 1. Access the BIOS Setup Utility, see "Accessing the BIOS Setup Utility" on page 39.
 - 2. Navigate to **APP Menu > Advanced > Miscellaneous Configuration**.
 - 3. Locate the **USB Controller Select** drop-down menu and tap on it.

4. Tap **USB 2.0** from the menu list. USB 2.0 is now enabled for the device.

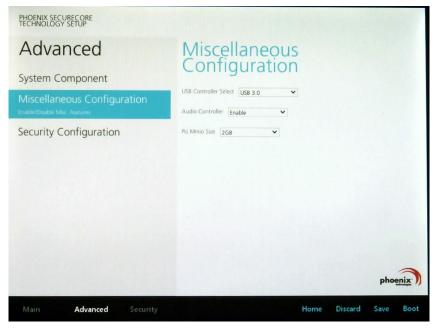


Figure 58. Advanced > Miscellaneous Configuration

- Step 4: Advanced > Miscellaneous Configuration
- Save the Settings

After you configure BIOS, you will need to save the settings.

1. Navigate to **APP Menu** > **Exit** and tap **Exit Saving Changes**.

PHOENIX SECURECORE TECHNOLOGY SETUP					
Exit					
Exit Saving Changes Equal to F10, save all changes of all menus, then ex setup configure driver. Finally resets the system automatically.	xit				
Exit Discarding Changes Equal to ESC, never save changes, then exit setup configure driver.					
Load Setup Defaults Equal to F9. Load standard default values.					
Discard Changes Load the original value of this boot time. Not the de Setup value.	efault				
Save Changes Save all changes of all menus, but do not reset system	em.				
				phoe	nix
Boot Exit M	lain	Home	Discard	Save	Boot

Figure 59. Exit the BIOS Utility

2. A prompt display, tap **Yes** to save the configuration.

The BIOS settings are configured and the Windows 7 operating system can be installed.

BIOS Passwords

Setting Up a Supervisor Password

To setup a supervisor password, follow the procedure as described:

- 1. Go to APP Menu > Security > Account's Password Status.
- 2. Tap the Enter icon next to Setup the Supervisor Password to access the virtual keyboard.

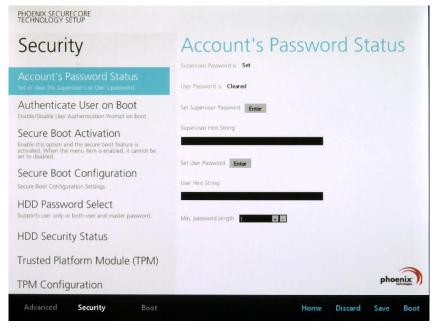


Figure 60. Security > Account's Password Status

3. Tap the password to use for the Supervisor profile and tap **Enter**.

Secu	rity				A		un	t's	Pa		WC	ord	Sta	tus
-	unite i bierr of	n Bree					Case							
	Set	Su	bei	rvis	sor	Pa	ISSN	NO	rd					
	Enter Cu	irrent Pa	ssword	d										
	ESC 1	2	3	4	5	6	7	8	9	0	-	-	Backspace	
	q	w	е	r	t	У	u	÷.	0	р	I	-1	X	
	Caps Lock	a	5	d	-f.	g	h	i.	k	1	9		Enter	cel
HDD Se	Shift	z	×	c	v	b	n	m			1		Shift	
Inusted						5	ipace							
TPM Con	figuration						177							-

Figure 61. Set Supervisor Password

Using BIOS Setup Utility

- 4. Verification of the password is required. Tap the same password again and tap **Enter** to confirm the new password.
- 5. Navigate to **APP Menu > Exit**.

PHOENIX SECURECORE TECHNOLOGY SETUP				
Exit				
Exit Saving Changes Equal to F10, save all changes of all menus, then exit setup configure driver. Finally resets the system automatically.				
Exit Discarding Changes Equal to ESC, never save changes, then exit setup configure driver.				
Load Setup Defaults Equal to F9. Load standard default values.				
Discard Changes Load the original value of this boot time. Not the default Setup value.				
Save Changes Save all changes of all menus, but do not reset system.				
			pho	enix
Boot Exit Main	Home	Discard	Save	Bo

Figure 62. Exit Screen

- 6. Tap **Exit Saving Changes** to display the confirmation screen.
- 7. Tap **Yes** to save the new configuration settings.

After setting the Supervisor password, the password is required to access the BIOS Setup Utility.

Changing a Supervisor Password

- 1. Navigate to **APP Menu > Security > Account's Password Status**.
- 2. Tap the Enter icon next to Setup Supervisor Password.
- 3. Enter the current supervisor password.
- 4. Enter a new password.
- 5. Enter the new password again to confirm.
- 6. Go to **APP Menu > Exit**.
- 7. Tap Exit Saving Changes and tap Yes to save the configuration.

Resetting a Supervisor Password

A supervisor password can not be reset. In the event that you forget the supervisory password, you will need to reflash the BIOS to enter the BIOS menus. Refer to *"Updating BIOS"* on page 45 to reflash the BIOS.

EC and BIOS

Updating BIOS

This procedure allows you to update and reflash the system BIOS. Both procedures follow the same steps as described in the following.



Make sure to protect your device from power loss during the BIOS update procedure to prevent irreparable damage to your system's mainboard.

For this procedure, it is highly recommended to connect the device to the AC adapter to prevent a sudden loss of power during the BIOS updating process.

- 1. Contact your technical sales or technical representative to obtain the correct BIOS file.
- 2. Copy the BIOS file on to the USB device.
- 3. Connect the USB device to one of the device's USB ports and power on the SolidPad LR7.



A USB keyboard is required for entering command.

- 4. Once the device is on and the Windows 8 Home screen displays, open the Charms bar by sliding your finger inward from the screen's right edge. The Charms bar displays.
- 5. Tap **Settings** from the displayed menus.

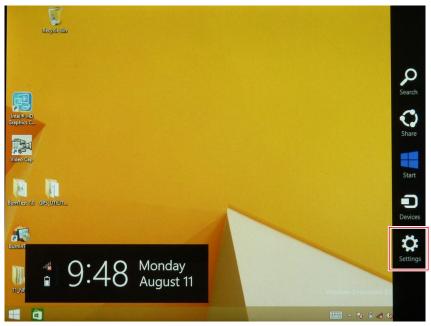


Figure 64. Charms Bar > Settings

6. Tap Change PC settings.

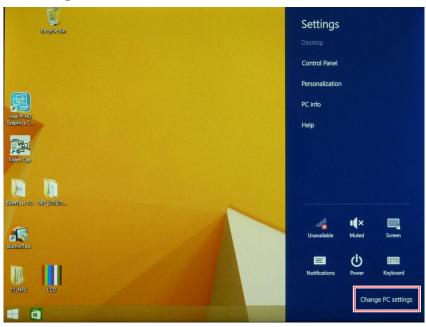


Figure 65. Change PC Settings

7. From the PC settings menu, tap **Update and recovery** to continue.

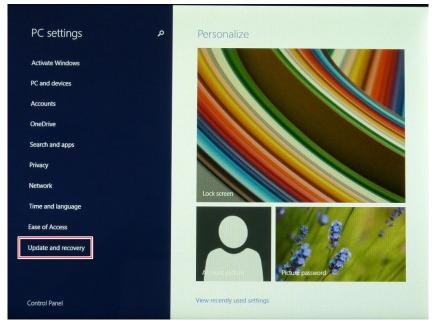


Figure 66. Update and Recovery

8. From the **Update and recovery** screen, tap **Recovery**. The **Advanced startup** option displays.

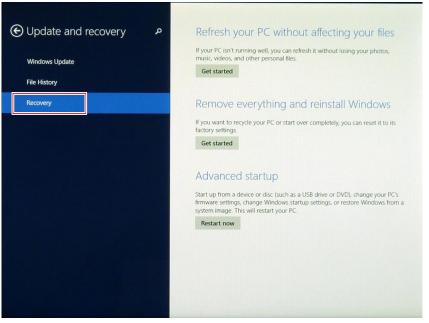


Figure 67. Recovery

9. Under Advanced startup, tap Restart now.

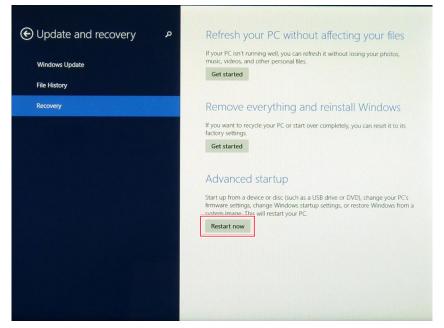


Figure 68. Restart Now

Using BIOS Setup Utility

10. Tap **Use a device** to select a boot up preference.

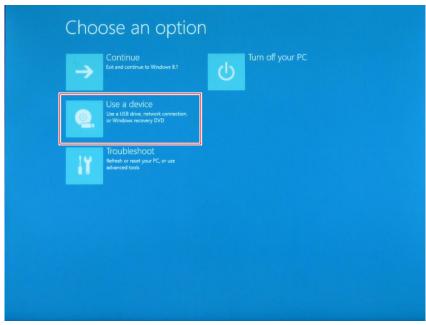


Figure 69. Use a Device

11. From the **Use a device** menu, tap **Internal Shell** to open the command screen.



Make sure connect the SolidPad LR7 to the AC adapter to prevent a sudden loss of power.

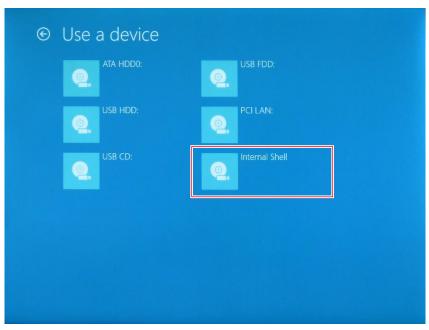


Figure 70. Internal Shell

12. In the command screen, enter fs1: to select the USB device already connected to the device. The command directs you to the USB device's root menu.

fs0 ::fardDisk - Alias hd19c blk0 hcpi(PRP003.0/Pci(1310)/Sata(0.0.0)/HD(Part2.Sig632A7CB5-549A-4A90-A1FC-809CA105BF3A) fs1 ::Removable BlockDevice - Alias [20a0 blk1 hcpi(PRP003.0)/Pci(1310)/Sata(0.0.0)/HD(Part2.Sig632A7CB5-549A-4A90-A1FC-809CA105BF3A) blk0 :HardDisk - Alias hd19c fs0 hcpi(PRP003.0)/Pci(1310)/Sata(0.0.0)/HD(Part2.Sig632A7CB5-549A-4A90-A1FC-809CA105BF3A) blk1 : Removable BlockDevice - Alias [720a0 fs1 hcpi(PRP003.0)/Pci(1310)/Sata(0.0.0)/HD(Part1.Sig4BE671EF-27A4-4990-8B03-86B36FBBAEA7) hCpi(PRP003.0)/Pci(1310)/Sata(0.0.0)/HD(Part1.Sig4BE671EF-27A4-4990-8B03-86B36FBBAEA7) hCpi(PRP003.0)/Pci(1310)/Sata(0.0.0)/HD(Part4.Sig2CEB875B-5280-4BC6-B761-0965185EA9B4) hCpi(PRP003.0)/Pci(1310)/Sata(0.0.0)/HD(Part4.Sig2CEB875B-5280-4BC6-B761-0965185EA9B4) hCpi(PRP003.0)/Pci(1310)/Sata(0.0.0)	Acpi (PMP0063.0) /Pci (1310) /Sata (0.0, 0) /HD (Part2.Sig632A7CB5-549A-4A90-A1FC-809CA105BF3A) fs1 :Removable BlockDevice - Alias f20a0 blk1 Acpi (PMP003.0) /Pci (1410) /Lsb (0.0) blk0 :HardDisk - Alias hd19c fs0 Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part2.Sig632A7CB5-549A-4A90-A1FC-809CA105BF3A) blk1 :HardDisk - Alias hd19c fs0 Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part2.Sig632A7CB5-549A-4A90-A1FC-809CA105BF3A) blk1 :Renovable BlockDevice - Alias f20a0 fs1 Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86B36FBBAEA7) blk2 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part3.SigE75F2A2-F220-419B-BEC2-A05D73A37FC6) blk3 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part4.Sig2CEDB758-5280-4BC6-B761-0965185EA9B4) blk3 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part4.Sig2CEDB758-5280-4BC6-B761-0965185EA9B4) blk3 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part4.Sig2CEDB758-5280-4BC6-B761-0965185EA9B4) blk4 :HardDisk - Alias (mull) :HardDisk - Alias (mull) Acpi (PMP0043.0) /Pci (1310) /Sata (0.0,0) :HardDisk - Alias (mull)	Acpi (PMP0063.0) /Pci (1310) /Sata (0.0, 0) /HD (Part2.Sig632A7CB5-549A-4A90-A1FC-809CA105BF3A) fs1 :Removable BlockDevice - Alias f20a0 blk1 Acpi (PMP003.0) /Pci (1410) /Lsb (0.0) blk0 :HardDisk - Alias hd19c fs0 Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part2.Sig632A7CB5-549A-4A90-A1FC-809CA105BF3A) blk1 :HardDisk - Alias hd19c fs0 Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part2.Sig632A7CB5-549A-4A90-A1FC-809CA105BF3A) blk1 :Renovable BlockDevice - Alias f20a0 fs1 Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86B36FBBAEA7) blk2 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part3.SigE75F2A2-F220-419B-BEC2-A05D73A37FC6) blk3 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part4.Sig2CEDB758-5280-4BC6-B761-0965185EA9B4) blk3 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part4.Sig2CEDB758-5280-4BC6-B761-0965185EA9B4) blk3 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0,0) /HD (Part4.Sig2CEDB758-5280-4BC6-B761-0965185EA9B4) blk4 :HardDisk - Alias (mull) :HardDisk - Alias (mull) Acpi (PMP0043.0) /Pci (1310) /Sata (0.0,0) :HardDisk - Alias (mull)	evice	mapping table
 fs1 :Removable BlockNevice - filis f20a0 blk1 Acpi (PMP0003.0) /Pci (1410) /Usb(0.0) b1k0 :HardD1sk - filas hd19c fs0 Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig632A7C85-549A-4A90-A1FC-809CA105BF3A) b1k1 :Removable BlockNevice - filias f20a0 fs1 Acpi (PMP0003.0) /Pci (1410) /Usb(0.0) b1k2 :HardD1sk - filas (mull) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) b1k3 :HardD1sk - filias (mull) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-A05D73A37FC6) b1k4 :HardD1sk - filas (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) b1k5 :BlockNevice - filas (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) 	 fs1 :Removable BlockNevice - filis f20a0 blk1 Acpi (PMP0003.0) /Pci (1410) /Usb(0.0) b1k0 :HardD1sk - filas hd19c fs0 Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig632A7C85-549A-4A90-A1FC-809CA105BF3A) b1k1 :Removable BlockNevice - filias f20a0 fs1 Acpi (PMP0003.0) /Pci (1410) /Usb(0.0) b1k2 :HardD1sk - filas (mull) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) b1k3 :HardD1sk - filias (mull) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-A05D73A37FC6) b1k4 :HardD1sk - filas (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) b1k5 :BlockNevice - filas (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) 	 Fs1 Removable BlockNevice - Alias f20a0 blk1 Acpi (PMP0003.0) /Pci (1410) /Usb (0.0) blk0 HardDisk - Alias hdf9c fs0 Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig632A7C85-549A-4490-A1FC-809CA105BF3A) blt18 Removable BlockNevice - Alias f20a0 fs1 Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig632A7C85-549A-4490-A1FC-809CA105BF3A) blt2 HardDisk - Alias (mull) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FB8AEA7) blt3 HardDisk - Alias (mull) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-4198-BEC2-R05D73A37FC6) blt4 HardDisk - Alias (mull) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5280-4BC6-B761-0965185EA9B4) blt5 BlockNevice - Alias (mull) 	fs0	
Acpi (PMP0003.0) /Pci (1410) /Ucb (0.0) blk0 :HardDisk - Alias hdi9c fs0 Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig632870285-5498-4690-81FC-80906105BF38) blk1 :Removable BlockBevice - Alias 72040 fs1 Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-2784-4990-8B03-86836FBBAEA7) blk2 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-2784-4990-8B03-86836FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig2CE08758-5200-419B-BEC2-405073837FC6) blk4 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5200-48C6-8761-0965185EA9B4) blk3 :BlockBevice - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) BlockBevice - Alias (mull) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) HardDisk - Alias (mull) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) BlockBevice - Alias (mull) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) herei (PMP003.0) /Dci (1310) /Sata (0.0.0)	Acpi (PMP0003.0) /Pci (1410) /Ucb (0.0) blk0 :HardDisk - Alias hdi9c fs0 Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig632870285-5498-4690-81FC-80906105BF38) blk1 :Removable BlockBevice - Alias 72040 fs1 Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-2784-4990-8B03-86836FBBAEA7) blk2 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-2784-4990-8B03-86836FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig2CE08758-5200-419B-BEC2-405073837FC6) blk4 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5200-48C6-8761-0965185EA9B4) blk3 :BlockBevice - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) BlockBevice - Alias (mull) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) HardDisk - Alias (mull) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) BlockBevice - Alias (mull) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) herei (PMP003.0) /Dci (1310) /Sata (0.0.0)	Acpi (PMP0003.0) /Pci (1410) /Ucb (0.0) blk0 :HardDisk - Alias hdi9c fs0 Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig632870285-5498-4690-81FC-80906105BF38) blk1 :Removable BlockBevice - Alias 72040 fs1 Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-2784-4990-8B03-86836FBBAEA7) blk2 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-2784-4990-8B03-86836FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig2CE08758-5200-419B-BEC2-405073837FC6) blk4 :HardDisk - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5200-48C6-8761-0965185EA9B4) blk3 :BlockBevice - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) BlockBevice - Alias (mull) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) HardDisk - Alias (mull) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) BlockBevice - Alias (mull) Acpi (PMP003.0) /Dci (1310) /Sata (0.0.0) herei (PMP003.0) /Dci (1310) /Sata (0.0.0)		Acpi (PNP0A03,0) /Pci (1310) /Sata (0,0,0) /HD (Part2,Sig632A7C85-549A-4A90-A1FC-809CA105BF3A)
blk0 :HardDisk - Alias hdl9c fs0 ncpi (MN0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig632A7C85-549A-4A90-A1FC-809CA105BF3A) blk1 :Renovable BlockWeive - Alias [72040 fs1 ncpi (MN0003.0) /Pci (1410) /Usb (0.0) blk2 :HardDisk - Alias (mull) ncpi (MN0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3 :HardDisk - Alias (mull) ncpi (MN0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-A05D73A37FC6) blk4 :HardDisk - Alias (mull) ncpi (MN0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk3 :BlockBevice - Alias (mull) ncpi (MN003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk3 :BlockBevice - Alias (mull) ncpi (MN003.0) /Pci (1310) /Sata (0.0.0) hardDisk - Alias (mull) ncpi (MN003.0) /Pci (1310) /Sata (0.0.0) HardDisk - Alias (mull) ncpi (MN003.0) /Pci (1310) /Sata (0.0.0) :BlockBevice - alias (mull) Acpi (PN003.0) /Pci (1310) /Sata (0.0.0) :BlockBevice - alias (mull) Acpi (PN003.0) /Pci (1310) /Sata (0.0.0)	blk0 :HardDisk - Alias hdl9c fs0 ncpi (MN0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig632A7C85-549A-4A90-A1FC-809CA105BF3A) blk1 :Renovable BlockWeive - Alias [72040 fs1 ncpi (MN0003.0) /Pci (1410) /Usb (0.0) blk2 :HardDisk - Alias (mull) ncpi (MN0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3 :HardDisk - Alias (mull) ncpi (MN0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-A05D73A37FC6) blk4 :HardDisk - Alias (mull) ncpi (MN0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk3 :BlockBevice - Alias (mull) ncpi (MN003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk3 :BlockBevice - Alias (mull) ncpi (MN003.0) /Pci (1310) /Sata (0.0.0) hardDisk - Alias (mull) ncpi (MN003.0) /Pci (1310) /Sata (0.0.0) HardDisk - Alias (mull) ncpi (MN003.0) /Pci (1310) /Sata (0.0.0) :BlockBevice - alias (mull) Acpi (PN003.0) /Pci (1310) /Sata (0.0.0) :BlockBevice - alias (mull) Acpi (PN003.0) /Pci (1310) /Sata (0.0.0)	blk0 :HardDisk - Alias hdl9c fs0 ncpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig632A7C85-549A-4A90-A1FC-809CA105BF3A) blt1 :Renowable BlockWeice - Alias [7200 fs1 ncpi (PNP0003.0) /Pci (1410) /Lsb (0.0) blt2 :HardDisk - Alias (mull) ncpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FB8AEA7) blk3 :HardDisk - Alias (mull) ncpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-005D73A37FC6) blk4 :HardDisk - Alias (mull) ncpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-005D73A37FC6) blk4 :HardDisk - Alias (mull) ncpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5200-4BC6-B761-0965185EA9B4) blk5 :BlockBevice - Alias (mull) ncpi (PNP003.0) /Pci (1310) /Sata (0.0.0) ncpi (PNP003.0) /Pci (1310) /Sata (0.0.0) :AlardDisk - Alias (mull) ncpi (PNP003.0) /Pci (1310) /Sata (0.0.0) :AlardDisk - Alias (mull) ncpi (PNP003.0) /Pci (1310) /Sata (0.0.0) :AlardDisk - Alias (mull) ncpi (PNP003.0) /Pci (1310) /Sata (0.0.0) :AlardDisk - Alias (mull) ncpi (PNP003.0) /Pci (1310) /Sata (0.0.0) :AlardDisk - Alias (mull) ncpi (PNP003.0) /Pci (1310) /Sata (0.0.0) :AlardDisk - Alias (mull)	fs1	:Removable BlockDevice - Alias f20a0 blk1
Acpi (MN0003.0) //Pci (1310) //Sata (0.0.0) /HD (Part2.Sig632A7C85-549A-4A90-A1FC-809CA105BF3A) blk1 Removable Blockbevice - Alias [20a0 fs1 Acpi (MN0003.0) //Pci (1410) //Bsb (0.0) blk2 HardDisk - Alias (mull) Acpi (MN0003.0) //Pci (1310) //Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3 HardDisk - Alias (mull) Acpi (MN0003.0) //Pci (1310) //Sata (0.0.0) /HD (Part3.SigE75E2A22-F220-419B-BEC2-A05D73A37FC6) blk3 HardDisk - Alias (mull) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk3 Horisk - Alias (mull) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk3 HardBisk - Alias (mull) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blx3 Blas (mull) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blx5 BlockBevice - Alias (mull) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) ress ESC in 1 seconds to skip startup.msh. any other key to continue.	Acpi (MN0003.0) //Pci (1310) //Sata (0.0.0) /HD (Part2.Sig632A7C85-549A-4A90-A1FC-809CA105BF3A) blk1 Removable Blockbevice - Alias [20a0 fs1 Acpi (MN0003.0) //Pci (1410) //Bsb (0.0) blk2 HardDisk - Alias (mull) Acpi (MN0003.0) //Pci (1310) //Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3 HardDisk - Alias (mull) Acpi (MN0003.0) //Pci (1310) //Sata (0.0.0) /HD (Part3.SigE75E2A22-F220-419B-BEC2-A05D73A37FC6) blk3 HardDisk - Alias (mull) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk3 Horisk - Alias (mull) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk3 HardBisk - Alias (mull) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blx3 Blas (mull) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blx5 BlockBevice - Alias (mull) Acpi (MN003.0) //Pci (1310) //Sata (0.0.0) ress ESC in 1 seconds to skip startup.msh. any other key to continue.	Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part2.Sig63287C85-5498-4690-41FC-809CA105BF38) blk1 : Removable BlockDevice - Alias [20a0 fs1 Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) blk2 : HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-2784-4990-8B03-86836FBB8AE87) blk3 : HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75E2A22-F220-419B-BEC2-005D73837FC6) blk3 : HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-48C6-8761-0965185EA9B4) blk5 : BlockDevice - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /*ress ESC in 1 seconds to skip startup.msh, any other key to continue.		
blk1: :Reinvable BlockBevice - fliss [20a0 fs1 Acpi (MP0003.0) /Pci (1410) /Usb (0.0) blk2: :HardDisk - flias (mull) Acpi (MP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3: :HardDisk - flias (mull) Acpi (MP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) bl33: :HardDisk - flias (mull) Acpi (MP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-A05D73037EC6) bl44: :HardDisk - flias (mull) Acpi (MP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5280-4BC6-B761-0965185EA9B4) blk5: :BlockBevice - flias (mull) Acpi (MP0003.0) /Pci (1310) /Sata (0.0.0) ress (MP0063.0) /Pci (1310) /Sata (0.0.0) ress (MP0063.0) /Pci (1310) /Sata (0.0.0)	blk1: :Reinvable BlockBevice - fliss [20a0 fs1 Acpi (MP0003.0) /Pci (1410) /Usb (0.0) blk2: :HardDisk - flias (mull) Acpi (MP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3: :HardDisk - flias (mull) Acpi (MP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) bl33: :HardDisk - flias (mull) Acpi (MP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-A05D73037EC6) bl44: :HardDisk - flias (mull) Acpi (MP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5280-4BC6-B761-0965185EA9B4) blk5: :BlockBevice - flias (mull) Acpi (MP0003.0) /Pci (1310) /Sata (0.0.0) ress (MP0063.0) /Pci (1310) /Sata (0.0.0) ress (MP0063.0) /Pci (1310) /Sata (0.0.0)	blk1 :Reinovable Blocklewice - Alias [20a0 fs1 Accpi (PMP0063.0) /Pci (1410) /Usb (0.0) blk2 :HardDisk - Alias (mull) Acpi (PMP0063.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (PMP0063.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (PMP0063.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-A05D73037EC6) blk4 :HardDisk - Alias (mull) Acpi (PMP0063.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5280-4BC6-B761-0965185EA9B4) blk5 :Blocklewice - Alias (mull) Acpi (PMP0063.0) /Pci (1310) /Sata (0.0.0) 'ress :Blocklewice - Alias (mull) Acpi (PMP0063.0) /Pci (1310) /Sata (0.0.0)	b1k0	:HardDisk - Alias hd19c fs0
Acpi (PNP0003.0) /Pci (1410) /Usb (0.0) blk2 :HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-2?A4-4990-8B03-86636FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-4198-BEC2-A05D73A37FC6) blk4 :HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockBevice - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) hlk5 :BlockBevice - Alias (mull) Acpi (PNP003.0) /Pci (1310) /Sata (0.0.0) ress :ESC in 1 seconds to skip startup.msh, any other key to continue.	Acpi (PNP0003.0) /Pci (1410) /Usb (0.0) blk2 :HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-2?A4-4990-8B03-86636FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-4198-BEC2-A05D73A37FC6) blk4 :HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockBevice - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) hlk5 :BlockBevice - Alias (mull) Acpi (PNP003.0) /Pci (1310) /Sata (0.0.0) ress :ESC in 1 seconds to skip startup.msh, any other key to continue.	Acpi (PNP0003.0) /Pci (1410) /Usb (0.0) blk2 :HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-2?A4-4990-8B03-86636FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-4198-BEC2-A05D73A37FC6) blk4 :HardDisk - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockBevice - Alias (mull) Acpi (PNP0003.0) /Pci (1310) /Sata (0.0.0) hlk5 :BlockBevice - Alias (mull) Acpi (PNP003.0) /Pci (1310) /Sata (0.0.0) ress :ESC in 1 seconds to skip startup.msh, any other key to continue.		
blk2 :HardDisk - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig/BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3 :HardDisk - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75E2A2-E220-419B-BEC2-A05D73A37EC6) blk4 :HardDisk - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5280-4BC6-B761-0965185EA9B4) blk5 :HardDisk - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5280-4BC6-B761-0965185EA9B4) blk5 :HardDisk - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) ress :ENcckDevice - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) ress :ENcckDevice - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) :ENcckDevice - filas (mil) ::::::::::::::::::::::::::::::::::::	blk2 :HardDisk - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig/BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3 :HardDisk - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75E2A2-E220-419B-BEC2-A05D73A37EC6) blk4 :HardDisk - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5280-4BC6-B761-0965185EA9B4) blk5 :HardDisk - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5280-4BC6-B761-0965185EA9B4) blk5 :HardDisk - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) ress :ENcckDevice - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) ress :ENcckDevice - filas (mil) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) :ENcckDevice - filas (mil) ::::::::::::::::::::::::::::::::::::	blk2 :HardDisk - flias (mil) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-dB03-86836FBBAEA7) blk3 :HardDisk - flias (mil) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75E2A2-E220-419B-BEC2-A05D73A37EC6) blk4 :HardDisk - flias (mil) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2EED0758-5280-4BC6-B761-0965105EA9B4) blK5 :BlockDevice - flias (mil) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2EED0758-5280-4BC6-B761-0965105EA9B4) blK5 :BlockDevice - flias (mil) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2EED0758-5280-4BC6-B761-0965105EA9B4) blK5 :BlockDevice - flias (mil) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2EED0758-5280-4BC6-B761-0965105EA9B4) blK5 :BlockDevice - flias (mil) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2EED0758-5280-4BC6-B761-0965105EA9B4) blK5 :BlockDevice - flias (mil) Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2EED0758-5280-4BC6-B761-0965105EA9B4)	blk1	:Removable BlockDevice - Alias f20a0 fs1
Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-4198-BEC2-A05D73A37FC6) blk4 :HardDisk - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockBevice - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockBevice - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) ress :ESC in 1 seconds to skip startup.msh. any other key to continue.	Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE671EF-27A4-4990-8B03-86836FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-4198-BEC2-A05D73A37FC6) blk4 :HardDisk - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockBevice - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CE08758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockBevice - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) ress :ESC in 1 seconds to skip startup.msh. any other key to continue.	Acpi QMP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part1.Sig4BE571EF-27A4-4990-8B03-86836FBBAEA7) blk3 :HardDisk - Alias (mull) Acpi (MMP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-4198-BEC2-A05D73A37FC6) blk4 :HardDisk - Alias (mull) Acpi (MMP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockBevice - Alias (mull) Acpi (MMP0A03.0) /Pci (1310) /Sata (0.0.0) hls5 :BlockBevice - Alias (mull) Acpi (MMP0A03.0) /Pci (1310) /Sata (0.0.0) hls6 :BlockBevice - Alias (mull) Acpi (MMP0A03.0) /Pci (1310) /Sata (0.0.0) Yress ESC in 1 seconds to skip startup.msh, any other key to continue.		Acpi(PNP0A03,0)/Pci(1410)/Usb(0,0)
blk3 :HardDisk - Allas (mull) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-A05D73A37FCG) blk4 :HardDisk - Allas (mull) Acpi (MNP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockRevice - Allas (mull) Acpi (MNP003.0) /Pci (1310) /Sata (0.0.0) Acpi (MNP003.0) /Pci (1310) /Sata (0.0.0) :HD (Part4.Sig2CED0758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockRevice - Allas (mull) Acpi (MNP003.0) /Pci (1310) /Sata (0.0.0) ress :ESC in 1 seconds to skip startup.msh. any other key to continue.	blk3 :HardDisk - Allas (mull) Acpi (MNP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A22-F220-419B-BEC2-A05D73A37FCG) blk4 :HardDisk - Allas (mull) Acpi (MNP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockRevice - Allas (mull) Acpi (MNP003.0) /Pci (1310) /Sata (0.0.0) Acpi (MNP003.0) /Pci (1310) /Sata (0.0.0) :HD (Part4.Sig2CED0758-5280-4BC6-B761-0965185EA9B4) blk5 :BlockRevice - Allas (mull) Acpi (MNP003.0) /Pci (1310) /Sata (0.0.0) ress :ESC in 1 seconds to skip startup.msh. any other key to continue.	blk3 HardDisk - filas (mil) Acpi (MMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75E2A22-F220-4198-BEC2-A05D73A37FCG) blk4 HardDisk - filas (mil) Acpi (MMP003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5280-4BC6-B761-0965185EA9B4) blk5 BlockRevice - filas (mil) Acpi (MMP003.0) /Pci (1310) /Sata (0.0.0) ress ESC in 1 seconds to skip startup.msh, any other key to continue.	b1k2	
Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A2-F220-419B-BEC2-A05D73A37FC6) blk4 :HardDisk - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-48C6-8761-0965185EA9B4) blk5 :BlockDevice - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) ress ESC in 1 seconds to skip startup.msh. any other key to continue.	Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75F2A2-F220-419B-BEC2-A05D73A37FC6) blk4 :HardDisk - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-48C6-8761-0965185EA9B4) blk5 :BlockDevice - Alias (mull) Acpi (PNP0A03.0) /Pci (1310) /Sata (0.0.0) ress ESC in 1 seconds to skip startup.msh. any other key to continue.	Acpi (PMP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part3.SigE75E2A2-F220-4198-BEC2-A95D73A37FC6) blk4 :HardDisk - Alias (mull) Acpi (PMP0A03.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5280-48C6-8761-0965185EA9B4) blk5 :BlockBevice - Alias (mull) Acpi (PMP0A03.0) /Pci (1310) /Sata (0.0.0) 'ress ESC in 1 seconds to skip startup.nsh, any other key to continue.		
blk4 :HardDisk :Hias (mull) hcpi(MMP0003.0) /Pci(1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5200-48C6-8761-0965185E89B4) blk5 :BlockBevice - Alias inull) Acpi(PMP0003.0) /Pci(1310) /Sata (0.0.0) :HD (Part4.Sig2CED0758-5200-48C6-8761-0965185E89B4) blk5 :BlockBevice - Alias :Mull) :Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) :HD (Part4.Sig2CED0758-5200-48C6-8761-0965185E89B4) :HardDisk :HD (Part4.Sig2CED0758-5200-48C6-8761-0965185E89B4) :HD (Part4.Sig2CED0758-5200-48C6-8761-0965185E89B4) :HD ::HD ::HD ::HD ::HD ::HD ::HD ::HD	blk4 :HardDisk :Hias (mull) hcpi(MMP0003.0) /Pci(1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5200-48C6-8761-0965185E89B4) blk5 :BlockBevice - Alias inull) Acpi(PMP0003.0) /Pci(1310) /Sata (0.0.0) :HD (Part4.Sig2CED0758-5200-48C6-8761-0965185E89B4) blk5 :BlockBevice - Alias :Mull) :Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) :HD (Part4.Sig2CED0758-5200-48C6-8761-0965185E89B4) :HardDisk :HD (Part4.Sig2CED0758-5200-48C6-8761-0965185E89B4) :HD (Part4.Sig2CED0758-5200-48C6-8761-0965185E89B4) :HD ::HD ::HD ::HD ::HD ::HD ::HD ::HD	blk4 :HardDisk :Hits (null) ncpi(PMP0003.0) /Pci(1310) /Sata (0.0.0) /HD (Part4.Sig2CED8758-5280-48C6-8761-0965185E89B4) blk5 :BlockBevice - Alias (null) :BlockBevice - Alias (null) :Acpi(PMP0003.0) /Pci(1310) /Sata (0.0.0) :Here State (0.0.0) :Press ESC in 1 seconds to skip startup.msh, any other key to continue. :Here State (0.0.0)	b1k3	
Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5280-48C6-8761-0965185EA9B4) blk5 BlockDevice - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) ress ESC in 1 seconds to skip startup.msh, any other key to continue.	Acpi (PMP0003.0) /Pci (1310) /Sata (0.0.0) /HD (Part4.Sig2CED0758-5280-48C6-8761-0965185EA9B4) blk5 BlockDevice - Alias (mull) Acpi (PMP003.0) /Pci (1310) /Sata (0.0.0) ress ESC in 1 seconds to skip startup.msh, any other key to continue.	hcpi(0MP0003.0) //ei(1310)/Sata(0.0.0) //HD(Part4.Sig2CED0758-5280-48C6-8761-0965185EA984) blK5 :BlockNevice - Alias (null) hcpi(0MP0003.0) //ei(1310)/Sata(0.0.0) *ress ESC in 1 seconds to skip startup.nsh, any other key to continue.		
blK5 :BlockDevice - Alias (null) Acpi(PNP0A03.0)/Pci(1310)/Sata(0.0.0) ress ESC in 1 seconds to skip startup.msh. any other key to continue.	blK5 :BlockDevice - Alias (null) Acpi(PNP0A03.0)/Pci(1310)/Sata(0.0.0) ress ESC in 1 seconds to skip startup.msh. any other key to continue.	blK5 :BlockDevice - Alias (null) Acpi(DND0A03.0)/Pci(1310)/Sata(0.0.0) 'ress ESC in 1 seconds to skip startup.nsh, any other key to continue.	blk4	
Acpi (PNP0A03.0)/Pci (1310)/Sata (0.0.0) ress ESC in 1 seconds to skip startup.msh. any other key to continue.	Acpi (PNP0A03.0)/Pci (1310)/Sata (0.0.0) ress ESC in 1 seconds to skip startup.msh. any other key to continue.	Acpi (PNIP0A03.0)/Pci (1310)/Sata (0.0.0) /ress ESC in 1 seconds to skip startup.nsh, any other key to continue.		
ress ESC in 1 seconds to skip startup.nsh , any other key to continue.	ress ESC in 1 seconds to skip startup.nsh , any other key to continue.	ress ESC in 1 seconds to skip startup.nsh , any other key to continue.	h i kS	Klockleutce - Altas (mill)
ress ESC in 1 seconds to skip startup.nsh , any other key to continue. well> _	ress ESC in 1 seconds to skip startup.nsh, any other key to continue. nell>_	ress ESC in 1 seconds to skip startup.nsh, any other key to continue. nell> _	DING	
				Acpi (PNP0A03,0)/Pci (1310)/Sata (0,0,0)
			ress E	Acpi(PMP0A03.0)/Pci(1310)/Sata(0.0.0) SC in 1 seconds to skip startup.nsh, any other key to continue.
			ress E	Acpi(PMP0A03.0)/Pci(1310)/Sata(0.0.0) SC in 1 seconds to skip startup.nsh, any other key to continue.
			ress E	Acpi(PMP0A03.0)/Pci(1310)/Sata(0.0.0) SC in 1 seconds to skip startup.nsh, any other key to continue.
			ress E	Acpi(PMP0A03.0)/Pci(1310)/Sata(0.0.0) SC in 1 seconds to skip startup.nsh, any other key to continue.
			ress E	Acpi(PMP0A03.0)/Pci(1310)/Sata(0.0.0) SC in 1 seconds to skip startup.nsh, any other key to continue.
			ress E	Acpi(PMP0A03.0)/Pci(1310)/Sata(0.0.0) SC in 1 seconds to skip startup.nsh, any other key to continue.
			ress E	Acpi(PMP0A03.0)/Pci(1310)/Sata(0.0.0) SC in 1 seconds to skip startup.nsh, any other key to continue.

Figure 71. Internal Shell Command Screen

- 13. If the BIOS file is in a folder and not in the root directory, navigate to the target folder.
- Type wf (.nsh) and tap Enter. wf is the designated BIOS file.
 Do not turn off your device or interfere with the reflash process until the process is complete.
- 15. Reboot the SolidPad LR7.

The BIOS is now updated.

Updating EC



Connect the SolidPad LR7 to the AC adapter to prevent a sudden loss of power.

- 1. Updating EC requires the use of the Internal Shell Command menu, refer to steps 1 to 12 of "Updating BIOS".
- 2. Enter the EC source file folder.
- 3. In the source folder, enter f.
- 4. Do not turn off your device or interfere with the reflash process until the process is complete.
- 5. Reboot the SolidPad LR7.

Chapter 5. Troubleshooting

Use the troubleshooting tables in this section to fix problems with the Wi-Fi connection, 802.1x security, or general problems with operating the computer.



If you send the computer in for service, it is your responsibility to save the computer data and configuration. roda computer GmbH is responsible only for ensuring that the hardware matches the original configuration when repairing or replacing the computer.

Troubleshoot the Wi-Fi Connection

Use this troubleshooting table to help solve problems with your 802.11 radio connection.

- *Q*. When you turn on the computer after it was suspended for a while (10 to 15 minutes or longer), it can no longer send or receive messages over the network.
- A. Host may have deactivated or lost current terminal emulation session. In a TCP/IP direct connect network, turn off the "Keep Alive" message from host to maintain the TCP session while the computer is suspended.
- *Q*. The computer is connected to the network and you move to a new site to collect data. Your computer now shows you are not connected to the network.
- A. Move closer to an access point or to a different location to reestablish communications until you reconnect with the network.
- *Q*. The computer appears to be connected to the network, but you cannot establish a terminal emulation session with the host computer.
- A. There may be a problem with the host computer, or with the connection between the access point and the host computer. Check with the network administrator to make sure the host is running and allowing users to log in to the system.
- *Q*. The computer appears to be connected to the network, but the host computer is not receiving any information from the computer.
- A. There may be a problem with the connection between the access point and the host computer. Check with the network administrator or use your access point user's manual.
- Q. A network connection icon appears in the toolbar, but then disappears.
- A. The computer may not be communicating with the intended access point. Make sure the network name matches the access point network name. The access point may not be communicating with the server. Ensure the access point is turned on, properly configured, and has 802.1x security enabled.

Troubleshoot Operating the Computer

Use this section to troubleshoot problems that may prevent you from being able to operate the computer.

- Q. You press the Power button and nothing happens.
- A. Make sure that power is connected to the computer.
- Q. The computer appears to be locked and you cannot enter data.
- A. Restart the computer.

Chapter 6. Maintenance

Cleaning the Device



Danger to electric shock when cleaning or maintaining the SolidPad LR7. To avoid electric shock, turn the SolidPad LR7 off and disconnect it from the power supply before cleaning or maintaining it.

Housing

- The housing of the SolidPad LR7 is best cleaned with a damp cloth.
- Use compressed air, a high-pressure cleaner or vacuum cleaner may damage the surface.
- Use a high-pressure cleaner, the additional risk of water entering the SolidPad LR7 may damage the electronics or touch screen.

Touch Screen

- Use neutral detergent or isopropyl alcohol on a clean soft cloth to clean the panel surface.
- Prevent using any kind of chemical solvent, acidic or alkali solution.

Returning the Device

Please put the contents in the original package gently when you need to return the SolidPad LR7.

Contacting roda

If you experience technical difficulties, please consult your distributor or contact the technical services department:

www.roda-computer.com

roda Service Center Bredenhop 20 32609 Hüllhorst Phone: +49 (0) 5744 944 – 470 Fax: +49 (0) 5744 944 - 475