DURIOS A7 ULTIMATE Tablet PC

Android 4.2

User Guide

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Chapter 1: Safety Information

Exposure to Radio Use

DURIOS A7 ULTIMATE series is equipped with Bluetooth, WI-Fi and Cellular modem radio. In some situation or area, user may be required to turn off the radios. For example;

- User's needs to turn the phone OFF when in an area posted "TURN OFF RADIO SIGNAL." to avoid interfering with blasting operations.
- User needs to turn OFF the radio signal in health care facilities. Hospitals or health care facilities may be using devices that sensitive to Radio Frequency energy.
- Aviation authority regulations prohibit user from using phone while in the aircraft. In order to prevent the handheld from emitting radio signals, do the following step:
 - To turn off the device:
 Press and hold the power button to display the Phone Options menu for 3 sec then tap the Power Off
 - To set the device into airplane mode:
 Press and hold the power button to display the Phone Options menu for 3 sec then tap Airplane mode



To turn off communication options e.g. Bluetooth, Wi-Fi, Cellular modem radio:
 Select Settings, tap Wireless & Networks if Wi-Fi is set to ON, Touch to turn it OFF

RF Exposure Information

This Tablet PC meets the government's requirement for exposure to radio waves. This Tablet PC 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 for wireless devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6W/Kg. Test for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the Tablet PC is designed to operate at multiple power levels so as to use only the poser required to reach

the network. In general, the closer user to a wireless base station antenna, the lower the power output.

For body worn operation, this Tablet PC has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions of the handset minimum of 1.5 cm from the body. User of other enhancements may not ensure compliance with FCC RF exposure guidelines. If user do not use a body-worn accessory and are not holding the PDA at the ear, position the handset a minimum of 1.5 cm from your body when the device is switched on.

Safety Precautions



Always completely disconnect the power cord from your device whenever you work with the hardware. Sensitive electronic components can be damaged by sudden power surges



Modern electronic devices are very sensitive to static electric charges. Always ground yourself to remove any static charge before touching the CPU Card.

Battery Safety Information



Do not use other battery which is not intended for the product. Use only the battery compatible for the device and follow battery usage, storage, and charging guidelines in this user guide.

A damage rechargeable Lithium-ion polymer battery can cause explosion or fire. To prevent personal injury and/or property damage:

- Do not open, disassemble, puncture, or crush the battery
- Do not leave or store the device in an area which is near a heat source such as vehicle dashboard, dryer or other heat source.
- Do not attempt to insert foreign object into the battery or allow conductive objects to contact the battery

In the event of battery leak:

- · Do not have any contact with the battery fluid
- If battery fluid leaks onto the skin or cloth, wash the affected area with clean water



Please contact your current distributor or local vendor if you suspect damage to your Tablet PC or battery for inspection and reparation.

Electrostatic Discharge



Please follow proper electrostatic discharge precaution to prevent static damage that can harm electronic components inside your device

Driving



Using mobile device or accessory while driving may cause distraction and maybe illegal in some areas where you drive. Please obey the laws and regulations on the use of mobile device

Chapter 2: About DURIOS A7 ULTIMATE Tablet PC

About DURIOS A7 ULTIMATE

DURIOS A7 ULTIMATE Tablet PC is powered by a 1.5GHz Cortex A7 processor. This device is capable of running Android 4.2 and has 7-inch capacitive multi-touch display offers 1024 x

600 pixel TFT LCD display resolution. Other new era tech includes Built-in WLAN 802.11 a/b/g/n, Bluetooth 4.0, built-in 3G Module or optional Neo-6 GPS module.

Features

This section provides the features of the DURIOS A7 ULTIMATE and describes how to set this device for the first time



Durios A7 Ultimate Tablet PC User Guide Features

1	7" Touch Screen	Projected Capacitive touch screen
2	Power Button	Press and hold the button for 3 seconds to turn on DURIOS A7 ULTIMATE Press to turn on/off the screen Press and hold the button for 3 seconds to select: • Power Off to turn off the DURIOS A7 ULTIMATE press button for 8 Sec to force system power off • Airplane mode – to disable all wireless connection • Silent mode – to disable all the sounds except for the alarms • Vibration mode – to vibrate all the notifications across the entire device
3	Home	Return to home screen
4	Menu	Open a list of actions that user can do on the current screen
5	Return	Return to the previous screen
6	Search	Press to open Google search
7	LED indicator	To indicate the status of the device
8/9	Battery Status	Green light : Indicates the device is charging Red light : Indicates low battery
10	Power Mode Status	Blue light : indicates the Power On No light : indicates no Power
11	Volume Up	Increase the volume of music or radio
12	Volume Down	Decrease the volume of music or radio
13	DC Jack	5 V DC In
14	Audio Jack	To connect a set of headphones, external speakers, or an audio device
15	USB Ports	To connect USB flash drive 2.0 / mouse / printer / keyboard, etc
16	SD Card Slot	To store all the information
17	SIM Card Slot	Accepts 3G SIM card to provide 3G data connection
18	Rubber Bumper	To give IP65 protection for the I/O Interface
19	Docking connector	To connect the device to docking station
20	2 MP Rear Camera	To take photo or video
21	LED Auxiliary Light	To provide lighting while using the camera
22	Barcode	optional barcode reader
23	Speaker	Provides audio output for music and video
24	Replaceable battery	3.7V 5300mAh battery

Getting started

To start using the DURIOS A7 ULTIMATE for the first time:

•		
Install	 	
SIM Card and SD Card		

Chargi ng the Battery	

SIM Card and SD Card Installation

To Install the SIM Card and SD Card:

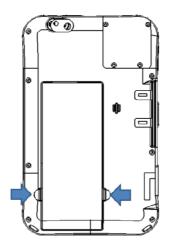
- 1. Place the DURIOS A7 ULTIMATE facing up and then locate the protective rubber bumper
- 2. Open the protective rubbed bumper
- 3. Locate the SD and SIM Card as follows
- 4. Insert the SIM card (with the gold parts facing up and cut-off corner facing out) and push it in the direction of the arrow as shown in the figure
- 5. Push the SD card holder in the direction of the arrow to insert it.



User Replaceable Battery Installation

DURIOS A7 ULTIMATE is equipped with user replaceable battery, to replace the battery:

1. Switch off the device, place the device down and then locate the battery locker on the back side of the device, as shown in the following pictures



Durios A7 Ultimate Tablet PC User Guide

2. Press the battery locker and pull it out (marked in blue), ready to replace with the fully charged battery

Battery charging

DURIOS A7 ULTIMATE can operate either on the external AC power adapter or internal battery power. It is suggested that user use AC Power when charge the Tablet PC for the first time. Please charge the battery before using the Tablet PC for the first time, charge the battery until the LED indicator turns solid green. To charge the DURIOS A7 ULTIMATE, use a cable or a docking with appropriate power supply.

To charge the battery using 5V DC in:

- 1. Remove the protective rubbed bumper on the side of the device
- 2. Locate the DC Jack
- 3. Connect the power supply output connector to the input power port on the Device
- 4. The battery charge LED indicates the battery charging status

LED Status	Indication
OFF	DURIOS A7 ULTIMATE is not charging or not properly
Solid Red	Low battery 20%~11%
Flash Red	Low battery 10%~5%
Solid Orange	Charging
Solid Green	Charging is completed





Use only the AC adapter included with DURIOS A7 ULTIMATE. Using other AC adapters may damage the Tablet PC

Turning On and Off the DeviceF

Turning the DURIOS A7 ULTIMATE On

- 1. Place the device on a flat and stable surface or hold it
- 2. Make sure the device is either connected to AC power or to the battery pack with power

3. Press and hold the power button for 3 seconds, located on the top part of the unit



Turning the DURIOS A7 ULTIMATE Off

- 1. To turn off the device, press and hold the power button until the phone options menu appears, tap the **Power off**.
- 2. User can also use the Phone options menu to put the device into silent or airplane mode, see features table.



Resetting to Factory Defaults

To reset the device to factory defaults:

- 1. Tap than tap **Settings**
- 2. Locate Backup & reset and then tap it
- 3. Tap **Factory data reset**, user can select to back up application data, Wi-Fi passwords and other settings to Google servers by tapping **Back up my data**.
- 4. Read all the available information and then check Erase phone storage if user want to erase all the data on the phone storage such as music or photo



Chapter 3: Using Android 4.2 Operating System

Wake Up the Phone

If you do not use the phone for a while, the screen dims and then darkens to conserve the battery. To wake up the phone:

- 1. Press the **Power** button on the top of the PDA.
- 2. Drag the lock icon to the right



- 3. There are several options to choose the screen lock method such as Slide, Pattern, PIN, or Password
- 4. To select the screen lock method, Tap select **Settings** and then select **Security**



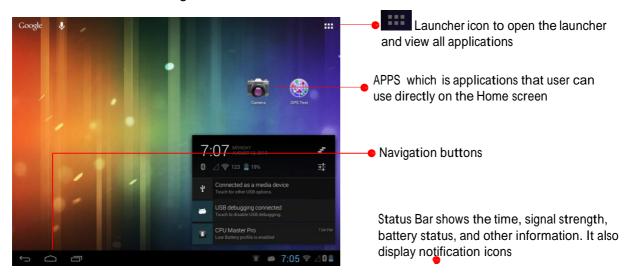
Using the Touch Screen

To gain full access of the Android interface is by using your finger to manipulate icons, on screen keyboard, menu items, and other items on the touch screen.

- Tap Simply touch the icon, symbol, or onscreen button using your finger
- Tap and hold Touching an item using your finger and not lifting it until an action occurs
- Drag Touch and hold an item for some amount of time and then, without lifting your finger, move your finger along the screen until you reach target position
- Swipe or slide Quickly move your finger across the surface of the screen, without pausing it when you first touch it. (e.g. scroll a page or a list up or down)
- Double tap Tap quickly twice on a webpage, map, or other screen to zoom. Double tapping after pinching the zoom in some application to fit the width of the screen
- Pinch Place two fingers on the screen at once and pinching them together (to zoom out) and spreading them apart (to zoom in).
- Rotate the screen Orientation of the screens rotates with the phone as user turn it from upright to its side and back again.

Using the Home Screen

Home screen is the starting point to access all the features on your PDA Device. It displays application icons, widgets, shortcuts, and other features. User can personalize the home screen. See "Personalizing home screen"



Personalizing Home Screen

User can add application icons, shortcuts, widgets, and other items to any part of any Home screen where there is free space. User can also switch the wallpaper.

To change wallpaper on the Home screen:

- 1. Tap and select **Setting**, select **Display** and then tap **Wallpaper**
- 2. On the menu that opens tap the type of item you want to add.



To move an item on the Home screen:

- 1. Tap and hold the item you want to move, until it can be moved.
- 2. Drag it to a new location on the screen
- 3. Place the item where you want to put it and lift your finger



To remove an item from the Home screen:

- 1. Tap and hold the item you want to remove. The launcher icon will change into a Remove icon
- 2. Drag the item you want to remove to the Remove icon on the top of the screen
- 3. When the icon turns red, release your finger



View other parts of the Home Screen

 Slide your finger left or right across the Home screen Extensions to the Home screen provide extra space for APPS, shortcuts, and other items. the launcher icon (on the upper right part) to view the entire APPS and Widgets of the device



Status and Navigation Icons

The status bar appears at the bottom right of every screen, along with the current time and on the bottom left are navigation icons.



Navigation Icons

\leftarrow	Back to open previous screen users were working in, even if was in a different app. Once user back up to the home screen, user can't go back any further in user history
	Home Opens Home. If you are viewing a left or right Home screen, opens the central home screen.
	Opens a list of thumbnail images of apps user have worked with recently. To open an app, tap it. To remove a thumbnail from the list, swipe it left or right.

Status Icon

The following icons indicate the status of your PDA, for example if users are connected to a Wi-Fi network that is not connected to the internet, the network icons are appears in white color. User can view the details by touching the clock at the bottom right of the screen. Status icons that appear in the status bar are as follows:

G	Connected to GPRS mobile network	*	Bluetooth is on
1X	Connected to 1xRTT mobile network	*	Connected to a Bluetooth device
ш	Connected to EDGE mobile network	?:	No SIM card installed
3G	Connected to 3G mobile network	\circ	Vibrate mode
4G	Connected to 4G mobile network	家	Ringer is silenced
af	Mobile network signal strength	-	Battery is very low
.4	Searching for a network signal		Battery is low
ăſ	No signal	•	Battery is partially drained
-	Connected to a Wi-Fi network		Battery is full
Δ	Roaming	(E)	Battery is charging
+	Airplane mode	•	Receiving location data from GPS

Notification Icon

The following icons indicate that you have received notification

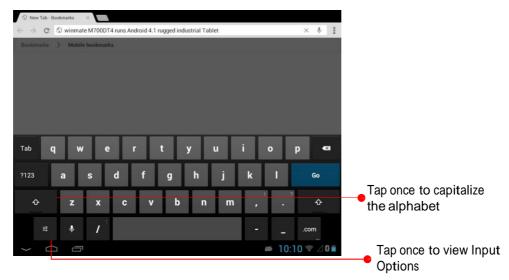
V	New email message	S	Incoming call
Ċ	New text or multimedia message	≫ζ	Missed call
Ø	Alarm is set	3	Speakerphone is activated
1	Upcoming event	N	Phone microphone is muted
÷	Data is syncing	\rightarrow	Downloading data
A	Problem with sign-in or sync	*	Phone is connected via USB cable
	A screenshot is captured		

Using the On-Screen Keyboard

User will be able to enter text using the On-Screen Keyboard. Some applications will launch the keyboard automatically. In others, user needs to touch a text field where user wants to enter text to launch the keyboard.

Enter Text by Typing

1. Open a text field, in this example we used Chrome to create a text The On-Screen Keyboard opens.



If user taps in a text field which already contains text, the insertion point is set where user tap and the cursor appears. User can drag the cursor to pick exactly where you want to add more text. User can also select a word to copy, cut and paste it. See "Editing Text"

- 2. Tap the delete key to erase characters to the left of the cursor
- 3. Tap 2123 to enter numbers. Tap ABC to return to letters
- 4. To enter symbols and other characters, tap and hold one of the top-row keys and slide your finger up to the list of the options. Lift your finger when you find your selection.



5. To view additional symbols, tap on the numeric keyboard.



6. To close the On-Screen keyboard, tap the back button

Editing Text

To select text

1. Double Tap the text you want to select

- 2. Tap **SELECT ALL** to select all the sentences in the menu that appears, the selected text is highlighted in blue, with a tab at each end of the selected word
- 3. Drag selection tab to expand or reduce the range of the selected text



To Cut or Copy Text

- 1. Select the text to cut or copy, see "to select text"
- 2. Tap or in the Edit text menu.
- 3. If you select , the selected text is removed from the text field; it is stored in temporary area so that you can paste it into different text field.

To Paste Text

- 1. After Cut or Copy the text, see "To Cut or Copy Text"
- 2. Place the cursor in the text field where you want to paste the text, user can paste text that you copied from one application into a text field in any application
- 3. Tap and hold into the location that you want to paste, Tap **Paste** in the menu that opens to replace the existing text with copied text

Display Setting

Use the display settings to configure brightness.

- 1. Tap and select **Settings** and then tap **Display**
- 2. Tap Brightness:
 - Tap Automatic Brightness for adjusting the brightness automatically.
 - Slide the bar to adjust the brightness manually



For the longest battery life between charges, use the lowest brightness level



Use the display settings to configure Font size.

1. Tap **Font Size** to adjust the size, there are several options such as: Small, Normal , Large, or Huge



Audio Profile Setting

Use the sound settings to configure how and at what volume the phone rings, vibrates or alerts user in other ways when user receive a call, receive a notification or an alarm sounds.

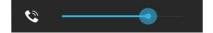
Sounds Setting

- 1. Tap and select **Settings** and then tap **Sound**
- 2. Tap **Volumes** and then user can select to disable or adjust the Music, video games & other media as well as notifications and Alarms.



Adjust Volume

1. Press the volume keys to change the ring volume (On Home screen) or earpiece volume (during a call)



Language & Keyboard Setting

Use the Language & keyboard settings to select the language for the text on your phone and for configuring On-Screen Keyboard, including words that you have added to its dictionary

- 1. Tap and select **Settings** and then tap **Language & input**
- 2. Tap Language & Input

language – to open the language screen, where user can select the language to use for the text on the device.

Spell checker – to improve the text-input experience on Android by helping the user quickly identify and correct spelling errors

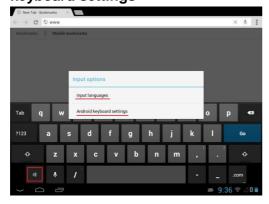
Personal dictionary – to add custom words to a personal dictionary for faster typing



Change the keyboard language

The current keyboard language is displayed on the Settings icon and user can switch languages.

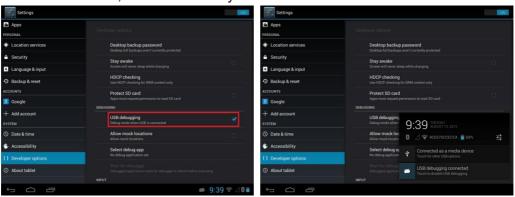
1.......Tap
the settings icon, there are two input options **input languages** and **android keyboard settings**



USB Debugging Setting

To permit debugging tools on a computer to communicate with User's Tablet via USB Connection.

and select **Settings** and then Tap { } **Developer options** and then tap **USB debugging**



About Phone includes information about user's phone

System Update — provides information regarding the local or online update of your devices

Status — opens the status screen with a list of information about battery, network, signal strength and other details

Legal Information — lists details about the model number, Android Version, Baseband version etc. this information is useful if user need to work with support team

Chapter 4: Connecting to Network and Devices

Connecting to Mobile Networks

When users assemble their PDA with a SIM card from service provider, their phone is configured to use their provider networks for voice calls and for transmitting data.

Different locations may have different mobile networks available; user may need to configure their phone to use certain networks. To obtain fastest networks user can configure their phone to 4G and to extend the life of battery user can use 2G network.

Checking the Network (GPRS/3G) Connection

- 1. Tap and then tap **Settings**
- 2. Tap More... in the Wireless & networks, and then tap Mobile networks
- 3. Tap **Network operators** to choose a network operator



Do not change the parameters of the access point to prevent user may not be able to access network sources

Turning on data service

- 1. Tap and then tap **Settings**
- 2. Tap More... in the Wireless & networks, and then tap Mobile networks
- 3. Tap Data enabled to enable data access over mobile network
- 4. Select the desired network operator to enable the data connection



Connecting to Wi-Fi Networks

Turn On the Wi-Fi and Connect to a Wi-Fi network

- 1. Tap and then tap **Settings**
- 2. Tap Wireless & networks and then select Wi-Fi to turn it on
- 3. Tap Wi-Fi

The device scans for available Wi-Fi networks and displays the list of it. Secured networks are indicated with a lock icon

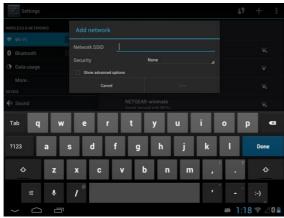
If the phone finds a network that you have connected previously, it connects to it automatically.

- 4. Tap a network to connect to it;
 - If the network is open, you are prompted to confirm that you want to connect it by tapping **Connect**
 - If the network is secured, users are prompted to enter a password or other credentials
- 5. To check the details about the speed, security, address and related settings, tap its name in the Wi-Fi settings screen



Add a Wi-Fi Network

- 1. Turn on Wi-Fi, in the Wi-Fi settings screen, tap icon (at the top right of the list of discovered networks)
- 2. Input the SSID (name) of the network, if the network is secured, tap the security menu and then tap the type of security deployed on the network.
- 3. Enter any required security credentials
- 4. Tap Save



Connecting to Bluetooth Devices

Turn Bluetooth On or Off

- 1. Tap and then tap **Settings**
- 2. Tap Wireless & networks and then select Bluetooth to turn it on

Connect to a Bluetooth device

- 1. Tap and then tap **Settings**
- 2. Tap Wireless & networks, and then tap Bluetooth

- 3. It will automatically scans and displays the IDs of all available Bluetooth devices in range. Tap **SEARCH FOR DEVICES** to search other Bluetooth devices
- 4. Tap the ID of the other device in the list in Settings to pair them



Disconnect from a Bluetooth device

- 1. Tap the device in the Bluetooth settings screen
- 2. Tap **OK** to confirm that you want to disconnect

Connecting to Computer via USB

User can connect their Tablet PC to a computer with USB cable to transfer files between Tablet PC and computer



When connecting your Tablet PC to a computer and mounting its USB storage or SD card, user must follow the computer's instructions for connecting and disconnecting USB device, to avoid damaging or corrupting files.

To connect your Tablet PC to a computer via USB:

- 1. Use the USB cable that came with your Tablet PC to connect the device to a USB port on your computer
- 2. After received a notification that the USB is connected, tap the notification icon and then tap **Connected as a media device**
- 3. Select **Media device (MTP)** to let user transfer media files on windows, or using Android File Transfer on Mac
- 4. Select **Camera (PTP)** to let user transfer photos using camera software and transfer any files on computers that do not support MTP

5. When the device is connected as USB storage, the screen indicates that USB storage is in use and user will receive a





Carefully follow your computer's instructions to un-mount the USB storage or SD card. Disconnect USB device not properly can cause a loss of important data or information.



When user finished, simply disconnect the tablet by unplugging the USB cable.

Chapter 5: Using the Camera

DURIOS A7 ULTIMATE equipped with 5 MP on the rear side, which user can use to capture photos or video

Open Camera

1......Tap

the launcher and then tap Camera

Camera opens in Portrait mode, ready to take a picture or shoot a video



Make sure the protective lens cover is clean before taking pictures. A lens cover with smudges from fingers can cause blurry picture

Take a picture

- 1......Adjust the exposure, flash, and other necessary settings. Or leave it automatic.
- 2.....Frame your subject / object on screen



Slide to zoom in or out.

3......Tap
the On Screen Shutter icon ■

The camera brings the image into focus, when the image is in focus, the focus indicators in each corner will turn green and ready to capture

to change camera settings



Viewing pictures

1.......After taking a photo, a thumbnail of the picture is shown on the corner of the capture screen. Tap the thumbnail to view it

2......Tap

the onscreen button



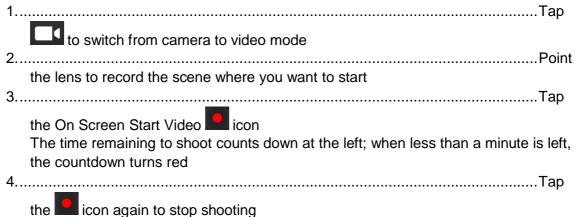
to share photo

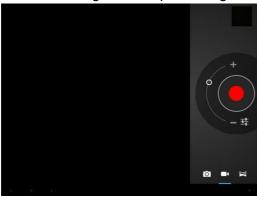


to delete photo

to view other photo or video in the galleries Swipe right or left to view more

Shoot a video





Opening the Gallery

1.		Тар
	the launcher and then tap Gallery	•
2.		Tap a
	folder to view the pictures or video inside in full screen mode	·
3.		Flick
	the pictures left or right to view the previous or next picture	

Chapter 6: Data Capture

DURIOS A7 ULTIMATE-B2 equipped with integrated laser scanner, allow user to collect data by scanning one or two dimensional barcodes. With an integrated laser scanner user will be able to have easy point, aim and shoot operation. Our DURIOS A7 ULTIMATE-B2 scan engine comes in compact size that attached on the top right of the devices



Scanning Barcodes

1......Ensur
e that Data Capture / scan enabled application is installed on the Tablet PC

2		Aim
	the Barcode	

the trigger to scan, in DURIOS A7 ULTIMATE-B2, Search button is the trigger button.



4...... Ensur e the entire barcode is within the rectangular area formed by the brackets in the laser framing **Correct framing** Wrong framing

se the trigger

Scanning Tips and Considerations

1. Distance

Scanning device will decode perfectly over a certain working range, there are minimum and maximum distance from the barcode. To specify the appropriate working range per barcode type is through a table as follows

Symbology	Density	Min Distance	Max Distance
Code 39	0.100 mm	9.5 cm	11.5 cm
	0.125 mm	8.0 cm	14.5 cm
	0.500 mm	6.5 cm	50 cm
	1.000 mm	9.5 cm	75 cm
EAN / UPS 100%	0.33 mm	6 cm	34 cm
DataMatrix	0.18 mm	7.5 cm	16.5 cm
	0.25 mm	6.0 cm	23.0 cm
	0.38 mm	5.5 cm	34.5 cm
PDF417	0.25 mm	5.5 cm	26 cm
	0.38 mm	6.5 cm	37 cm

2. Angle Scanning angle is important for promoting quick decodes,

Scan Angle	Horizontal	34.4°
Coarry angle	Vertical	22.2°
Framing Angle	Horizontal	30°
, raming / trigio	Vertical	20°

Chapter 7: Accessories

DURIOS A7 ULTIMATE Standard Accessories

Standard Accessory	Details
Adapter with Standard Power Cord (Euro / US standard type, 1.8 m)	Input : AC 100-240V 50/60 Hz Output : 5V DC
DURIOS A7 ULTIMATE Manual & Driver CD	Allows user to make an update
Recovery CD	Allows users to make a recovery

DURIOS A7 ULTIMATE Optional Accessories

Optional Accesso ry	Details
Docking	ocking cradle for DURIOS A7 ULTIMATE
	old the tablet tightly on the moving vehicle
	upport both terminal block & 2.5Ψ Power jack input
	P52 design (Rain prove)
Hand Strap	to secure the device when using it

Capacitive Touch Stylus	to use it as a mouse or as a finger to perform regular touch functions and to write in application where applicable
Vehicle Adapter	Input 5V DC cigarette lighter socket USB car charger