



User's Manual

QuadPad V12 series

www.quaduro.com

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Record the model number, serial number, purchase date and place of purchase information in the space provided below. The serial number and model number are recorded on the label affixed to your computer. All correspondence concerning your unit should include the serial number, model number and purchase information.

QuadPad V12 User's Manual

Original Issue: 02/2011

Tablet Series

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EU Declaration of Conformity



Responsible Party Name: Quaduro Systems., Ltd

Address: Address: Unit 1, Number 8, Argall Avenue, London, E10 7QE

Product: Tablet PC TBABLET

Trade Name: Quaduro Systems

Model Number: QuadPad V12 Series

This product, which has been issued the test report listed as above, is confirmed to comply with the requirements of the following EMC standard.

- EN55022:2006
- EN55024:1998 + A1:2001 + A2:2003
- EN61000-3-2:2006
- EN61000-3-3:1995 + A1:2001 + A2 : 2005
- EN61000-4-2 Edition 1.2: 2001-04
- EN61000-4-3 Edition 3.0:2006
- EN61000-4-4:2004
- EN61000-4-5 Edition 2.0:2005
- EN61000-4-6 Edition 2.2:2006
- EN61000-4-8 Edition 1.1:2001-03
- EN61000-4-11 Second Edition:2004-03

USA Declaration of Conformity



Responsible Party Name: Quaduro Systems., Ltd
Address: Unit 1, Number 8, Argall Avenue, London, E10 7QE

Product: Tablet PC TB
Trade Name: Quaduro Systems
Model Number: TB Series

This product, which has been issued the test report listed as above, is confirmed to comply with the requirements of the following EMC standard.

FCC CFR Title 47 Part 15 Subpart B: 2008 Class B CISPR 22: 2005
ANSI C63.4: 2003

Safety Declaration



CB

Responsible Party Name: Quaduro Systems., Ltd

Address: Address: Unit 1, Number 8, Argall Avenue, London, E10 7QE

Product: Tablet PC TB

Trade Name: Quaduro Systems

Model Number: V12 Series

This product, which has been issued the test report listed as above, is confirmed to comply with the requirements of the following Safety standard.

- IEC 60950-1:2001

Environment Declaration by Quaduro Systems

This product is compatible with the directive information of WEEE.

The directive information of WEEE (Waste from Electrical and Electronic Equipment)



The European Union WEEE (Waste from Electrical and Electronic Equipment) Directive is intended to protect the quality of the environment and human health through the responsible use of natural resources and the adoption of waste management strategies that focus on recycling and reuse. This Directive requires producers of electrical and electronic products put on the market in European Union (EU) member countries after August 2005 to mark such products with a crossed-out wheeled bin symbol.

Please do not throw this electronic device into the trash when discarding.

To minimize pollution and ensure utmost protection of the global environment, please recycle.

For more information about the disposal of this product, please contact your local authority or dealer where you purchased this product.

Declaration of Restriction of Hazardous Substance

Product Type: Tablet PC Series

Product Model Name: QuadPad V12

QUADURO SYSTEMS, LTD declares that computer products manufactured is requirement of the EU Directive 2002/95/EC on the Restriction of the use of certain Hazardous Substances in electrical and electronic equipment.

This status is based on the RoHS Directive. QUADURO SYSTEMS., LTD declares that the following materials or substances are not, and will not be, used in manufacturing of; intentionally added to; or contained in; products, components or packaging after January 12, 2009.

Restricted Substance	RoHS Proposed Maximum Limit (ppm)
Lead (Pb) / lead Compounds	1000
Mercury (Hg) / Mercury Compounds	1000
Cadmium (Cd) / Cadmium Compounds	100
Chromium VI (Cr6+) Compounds	1000
Poly Brominated Biphenyls (PBB)	1000
Poly Brominated Diphenyl Ethers (PBDE)	1000

Date	Title	Signature
January / 12 / 2009	Product Development Dept. Manager	

Information for safety and instruction

Please read through the following instructions. Keep the instructions in a convenient place for future reference.

1. Do not use this product near water or any chemical material.
2. Keep the machine away from moisture and dust, heat and direct sunlight.
3. Slots and openings are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
4. To avoid damage of internal components and to prevent battery leakage, do not place the product on a vibrating surface.
5. Do not use it under sporting, exercising, or any vibrating environment, which may cause unexpected high current or damage rotary devices, HDD, and even exposure risk from the lithium battery pack.
6. Do not overload a power outlet, strip or receptacle by plugging in too many devices. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the power strip's input rating.
7. Do not place any objects on the power cable or the machine and ensure no one can trip over or step on them.
8. Do not place this product on an unstable surface, stand or table. If the product falls, it could become seriously damaged.
9. Do not push objects of any kind into this product through the cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind onto or into the product.
10. Remember to remove dust regularly. To extend the lifetime, please make sure to operate the machine in accordance with this user manual.
11. Before cleaning the machine, always disconnect the power line, and all connection cables from I/O ports. Do not use any solvent, caustic or gaseous cleaning agents.

Text Conventions

To make this guide as easy as possible to use, text is set up as follows.



Indicate a probable hazardous situation, which will lead to personal death or serious injury.



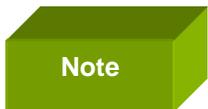
Indicate a probable hazardous situation, which will lead to equipment or data damage



Indicate a potentially hazardous situation, which may lead to minor or moderate injury.



Indicate a potentially hazardous situation, which may lead to property damage.



Provide information.

OPTIONS

You can add a number of options to make your computer even more powerful and convenient to use. The following options are available:

Memory

If you want to upgrade the memory of computer, the memory can be purchased from your Quaduro Systems dealer.

Hard disk drive

If you want to upgrade the HDD of computer, the hard drive can be purchased from your Quaduro Systems dealer.

Battery pack

An additional battery pack can be purchased from your Quaduro Systems dealer. Use it as a spare or replacement.

AC Adapter

If you use your computer at more than one site frequently, it may be convenient to purchase an additional AC adaptor for each site so you will not have to carry the adaptor with you.

Docking Station

If you use your computer at more than one site frequently, it may be convenient to purchase an additional Docking Station for each site.

Vehicle Cradle

If you use your computer in vehicle frequently, it may be convenient to purchase a vehicle cradle.

Other components

If you have any component request of computer, you can contact and get more information from your Quaduro Systems dealer.

Contents

Copyright Notice	i
EU Declaration of Conformity	ii
USA Declaration of Conformity	iii
Safety Declaration	iv
Environment Declaration by Quaduro Systems	v
Declaration of Restriction of Hazardous Substance.....	vi
Information for safety and instruction.....	vii
Text Conventions	viii
OPTIONS.....	ix
Introduction	1
Equipment check list.....	1
Open the packing.....	1
Open Accessory box.....	2
Tablet V12 Tour.....	3
Top View	3
Indicator.....	4
Rear View	5
Left View	6
Right View.....	8
Bottom View.....	9
Base View (without rubber).....	10
Base View (with rubber).....	11
Support and Service	12
Appendix A.....	13
Battery installation and release.....	13
Appendix B	15
Appendix B	16
Anti-collision rubber installation	16
Appendix C	18
Docking Station introduction	18
Appendix D	18
Appendix D	19
Connecting the Tablet to the Docking Station	19
Appendix E	19
Appendix E	20
Appendix E	21
How to use touch screen	21
Appendix F.....	21
Appendix F.....	22
How to hold the tablet.....	22
Appendix G	22
Appendix G	23

Mirror mode	23
Extended desktop mode	24
VGA rotate	25
Appendix H	27
Battery Calibration	27
Appendix I	28
Portfolio case usage	29
Appendix J	29
Appendix J	30
Packing carton	30
Appendix K	31
Upgrading your Tablet memory and storage device.....	31
Appendix L.....	32
How to use the Vehicle Cradle.....	32
Appendix M.....	35
System specification	35
Note	36

Introduction

This chapter provides an equipment check list ; and identifies the computer's features, options and accessories.

Equipment check list

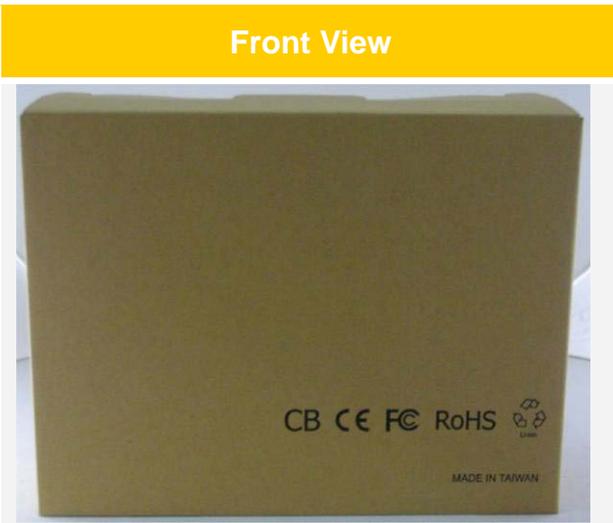
Carefully unpack your computer, taking care to save the box and packaging materials for future use.

Open the packing

Check to make sure you have all following items:

- Quaduro Systems Tablet PC
- Accessory box

Front View



Upper View



Side View



Product Serial number



Open Accessory box

Check to make sure you have all following items:

- Battery pack
- Adapter
- Power cord
- RJ-11 cable
- Additional stylus
- Rubber screw * 6 pcs
- Rubber washer * 6 pcs
- Access cover screw * 1 pcs

Accessory box



Internal View



RJ-11 cable



Additional stylus



Battery pack



Rubber Screw



Adapter



Rubber washer



Power cord (EUR/US)



Access cover screw



Tablet V12 Tour

Top View



#	Icon	Item
1		Power button

Indicator



#	Icon	Item	Description
1.		Power indicator	Blue: Power on
			Blue blinking: Standby mode
2.		Wireless LAN	Blue: When wireless LAN is activated
3.		HDD	Yellow blinking: When the Hard drive is active
4.		Num Lock	Yellow: Lights up when Num lock is activated
5.		Caps Lock	Yellow: Lights up when Caps lock is activated
6.		Battery status	Orange: Charging
			Yellow: Fully charged

Rear View



#	Icon	Item
1		Modem port (RJ-11)
2		Ethernet port (RJ-45)

Left View



Kensington and DC-in connector



Smart card reader and GPS module



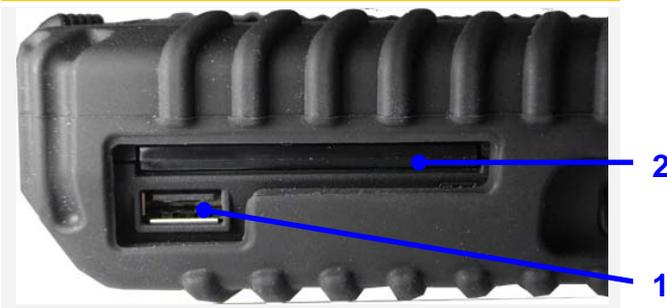
#	Icon	Item
1		Kensington lock slot
2		DC-in jack

3		Smart card reader
4		GPS module

Right View



USB and Express card



#	Icon	Item
1		USB 2.0 port
2		Express card slot
3		External display (VGA) port
4		Ventilation slots

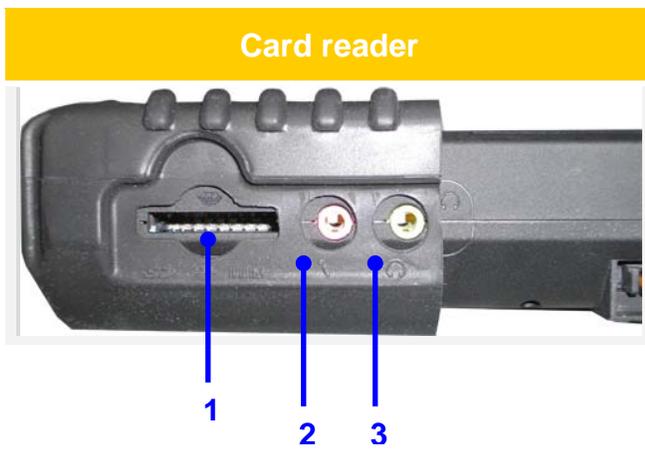
External VGA



Ventilation hole



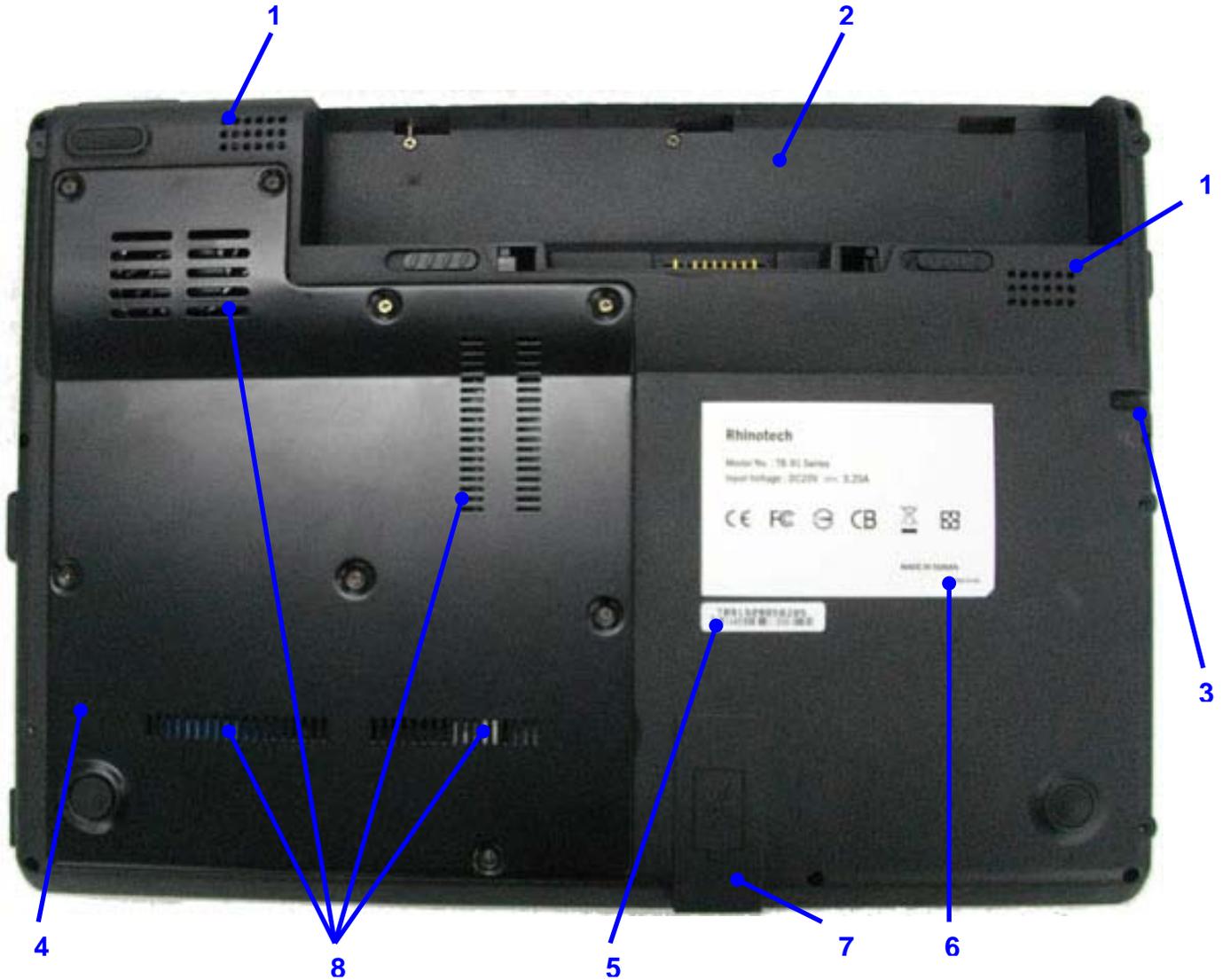
Bottom View



#	Icon	Item
1		Memory card reader (Support SD / MMC / MS card)
2		Microphone jack
3		Headphone jack
4		Docking connector



Base View (without rubber)

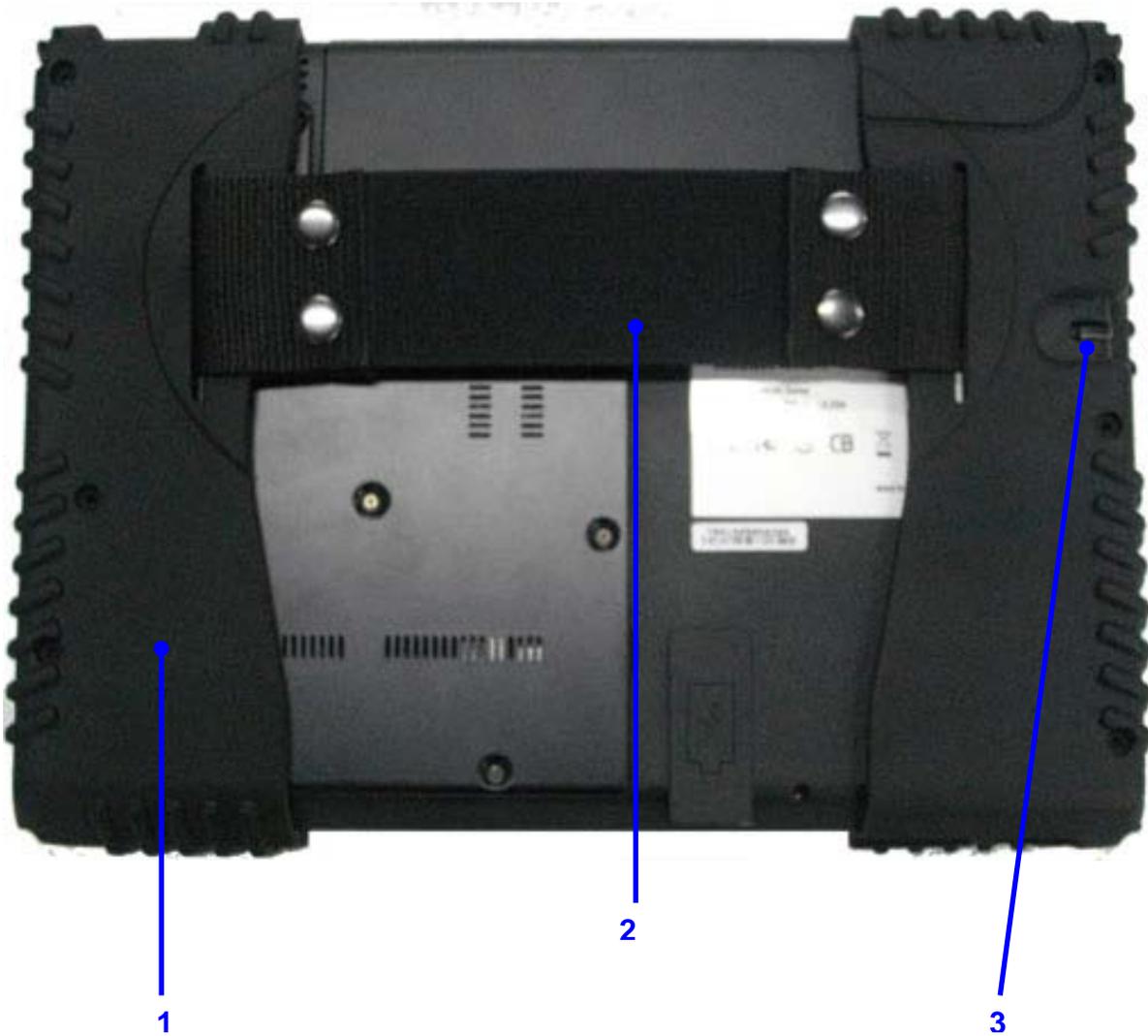


#	Icon	Item
1		Speakers
2		Battery bay
3		Stylus slot
4		Access cover
5		Serial Label
6		Product Label
7		Docking connector
8		Ventilation slots

Stylus



Base View (with rubber)



#	Icon	Item
1		Anti- collision rubber
2		Hand strap
3		Stylus slot

Stylus



Support and Service

- Contact Quaduro Systems (support@quaduro.com) or Quaduro Systems authorized agents immediately when following situations happen.
- If the power cable or power supply overheats or becomes damaged.
 - (1) If liquid has spilled into the machine.
 - (2) If the power cable or power supply overheats or damaged.
 - (3) If the product is dropped or the housing damaged.

Important note: Disconnect the machine from the power source immediately and remove the battery.

- If the machine is subjected to unauthorized disassembly (modification); placed in an unsuitable operating environment; improperly maintained. Quaduro Systems will reserve the right not to repair the unit under warranty.

Appendix A

Battery installation and release

About battery installation, please follow the procedure below.



To avoid battery damage, be sure to install the battery pack properly into the battery bay. After fitting the battery check that both battery latches are in the locked position as illustrated in the procedure below.



Step 1



Step 2 Push battery downwards



Step 4 Slide the latch to "lock"



Step 5 Battery Locked



Step 3 Ensure battery is seated correctly



Warning

Be sure the release latch is on the "lock" position after installing the battery in order to prevent the battery from being falling out.

To release the battery, please follow the procedure below.

Step 1 Release right-side battery latch



Slide both release latches outwards to unlock the battery

Step 2 Slide left battery latch outwards



Step 3 Release battery



Appendix B

Anti-collision rubber installation

To install the anti-collision rubber, please follow the procedure below.

Step 1 Ensure holes are aligned as below



Step 2 Fit washers into 6 holes



Be sure to install the anti-collision rubber properly in order to prevent damage to the machine or personal injury if the machine becomes detached

Rubber washer



Step 3 Fasten 6 screws



Danger

Be sure these 6 screws are fastened tightly in order to prevent the machine from becoming detached

Rubber Screw



Appendix C

Docking Station introduction

Docking Station carton



USB 2.0 ports



Power input



Docking Station



Warning

Use only the Quaduro Systems approved power adapter with V12. Quaduro Systems will not accept any responsibility for any damage caused by using an adapter, which is not approved by Quaduro Systems

Tablet connector



#	Icon	Item
1		USB 2.0 port * 4
2		Power indicator: Blue
3		DC-in jack socket
4		Tablet connector

Appendix D

Connecting the Tablet to the Docking Station

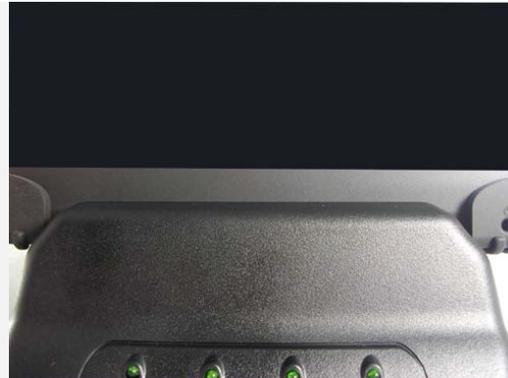


Step 1



Ensure that docking port (a) at the rear of the tablet is aligned with the inset slot (b) on the docking station.

Step 3



Ensure that the Tablet is centered on the Docking Station.

Step 2



Gently slide the Tablet down towards the Docking Station.

Step 4



Docking completed.

Notice

Danger



Ensure that the Docking Station power does NOT become overloaded by USB devices. (**Max. 0.5A. 10W**)



Appendix E

How to use touch screen

Finger



Operate the touch screen LCD with a stylus or your finger.

Stylus



The touch panel driver emulates both right and left button functions.

For left button functions just tap the screen.

For right button functions, press and hold your finger or stylus on the touch screen for several seconds.

Warning

Sharp objects may scratch or damage the surface.

Appendix F

How to hold the tablet

Step 1



Step 2



Warning

To avoid any possibility of the tablet falling, please always hold the tablet as instructed in the user manual

Appendix G

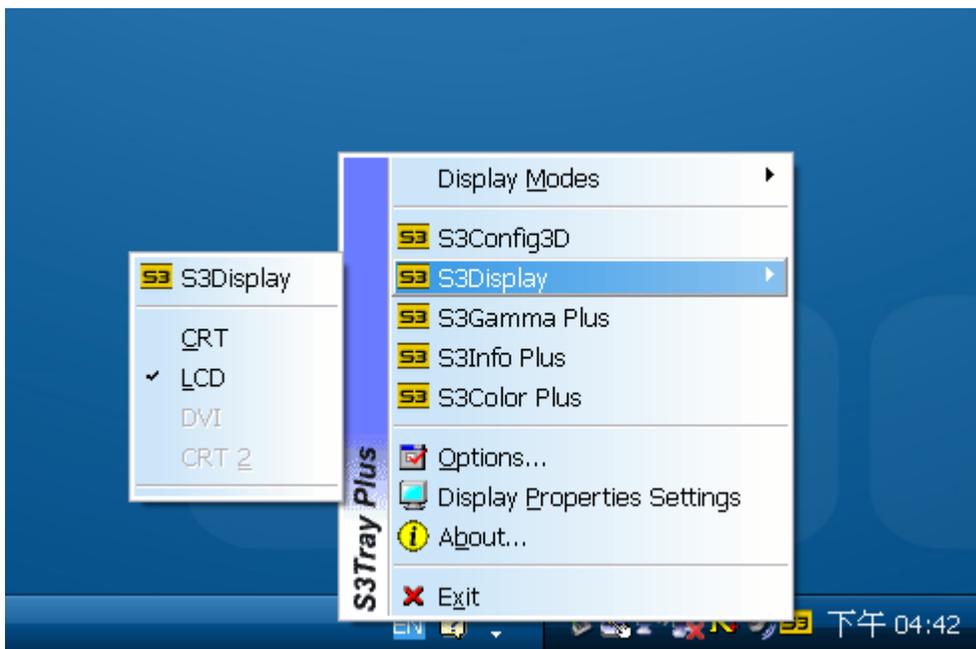
External VGA usage

Note: Before attempting this procedure, ensure an external monitor is connected to the VGA output connector of your Tablet, see page 8.

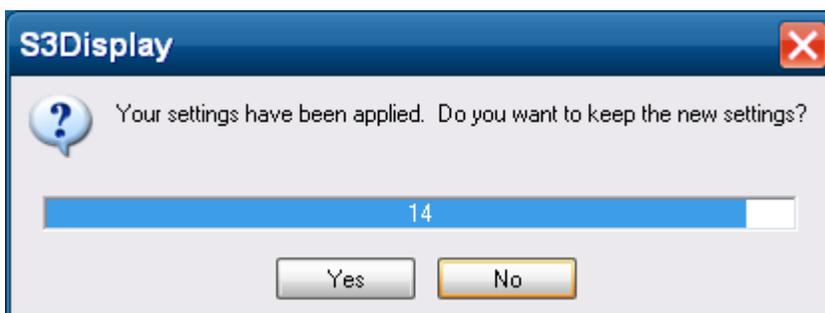
Mirror mode

Set VGA output mirror mode by S3 software

1. Click right button on S3 tray icon, select S3 Display and mark the “CRT”



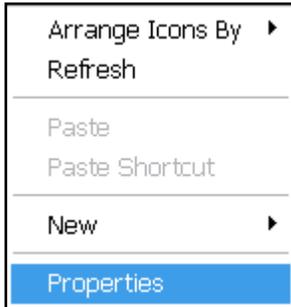
2. Select Yes to confirm your setting.



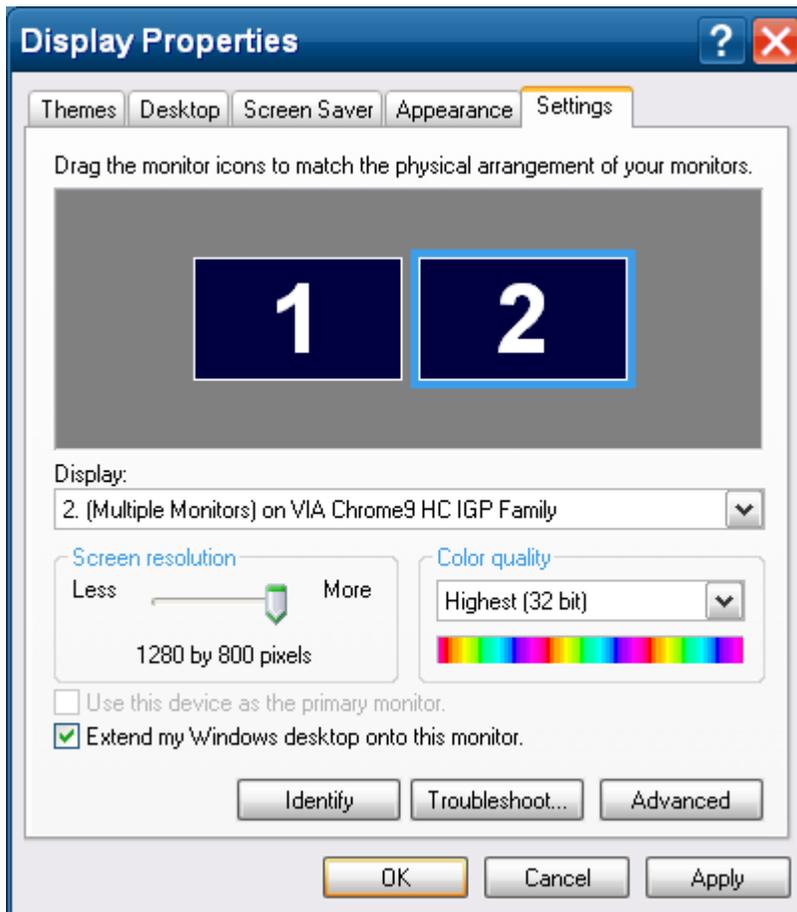
Extended desktop mode

Set VGA output to Extended Desktop Mode via S3 software

1. Click right button on the desktop and select Properties.



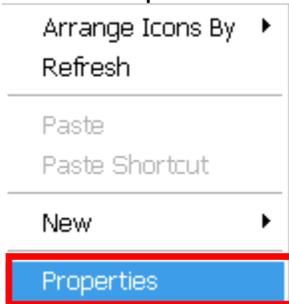
2. Select the Settings tab and then select Monitor 2 in the window below. Then select the tick box next to “Extend my Windows desktop onto this monitor” and select , “Apply”.



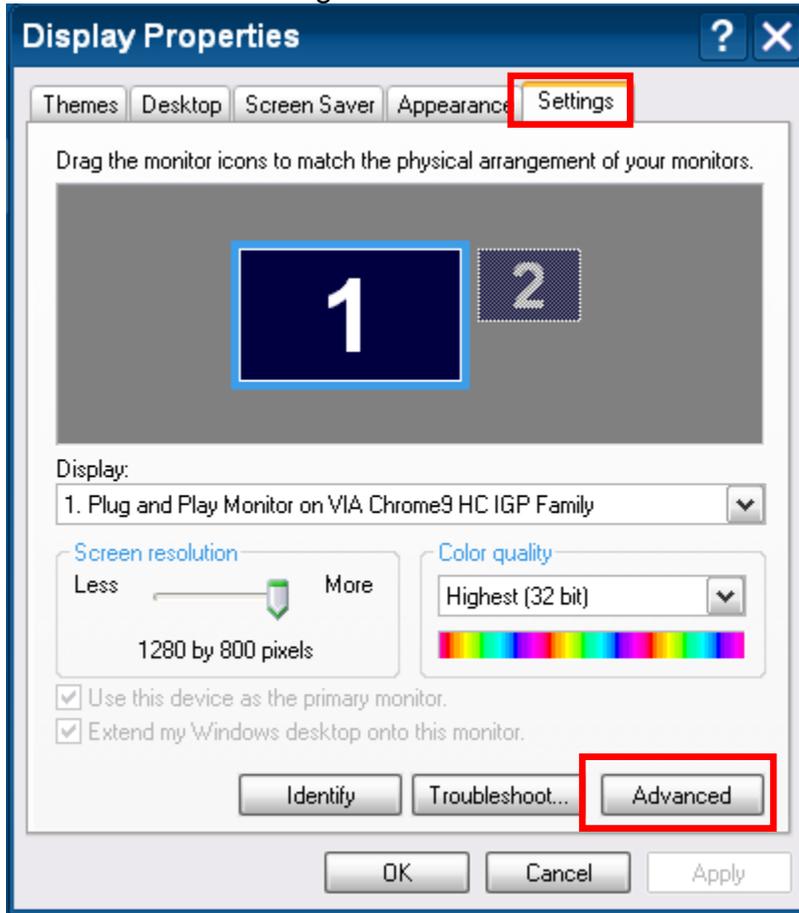
VGA rotate

Set VGA rotate by S3 software

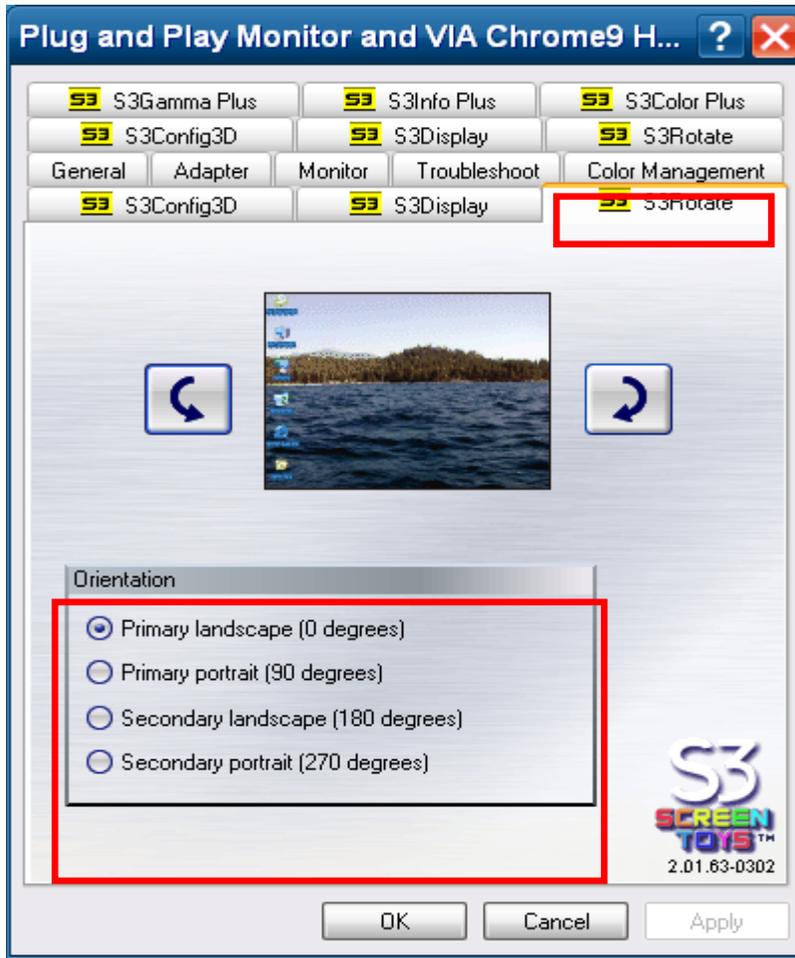
1. Press right button on desktop and select Properties.



2. Press advanced on the sheet of setting.



3. Press left button on S3Rotate.

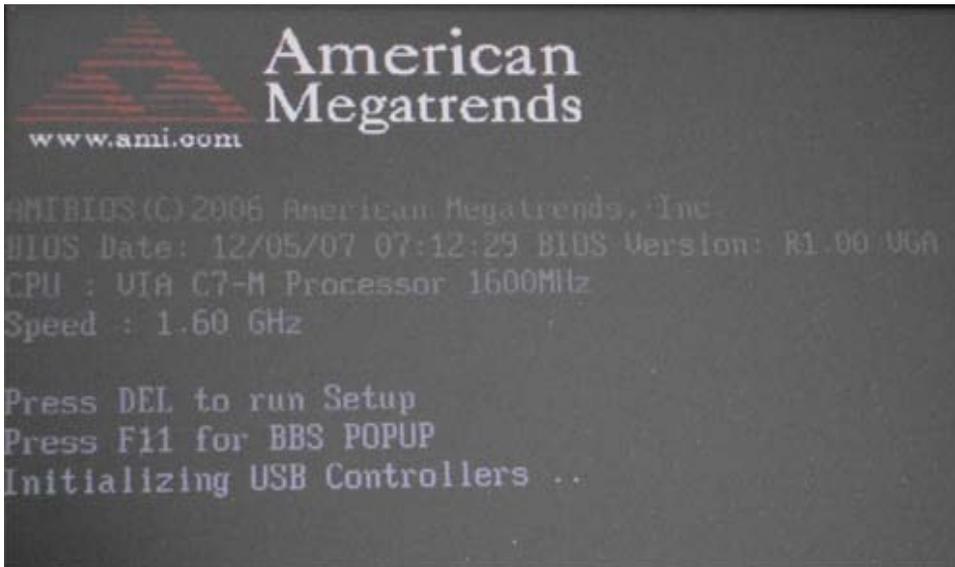


Appendix H

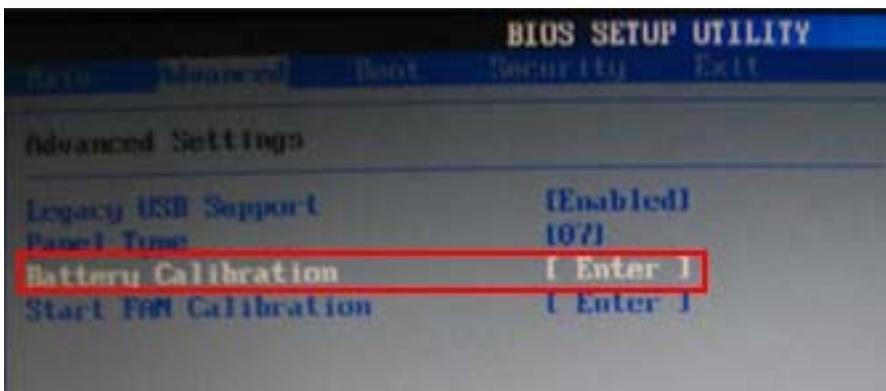
Battery Calibration

If your laptop battery's life has become shorter over time, we recommend you re-calibrate it by using the “battery calibration” tool in BIOS. This process will take around 4.5 hours.

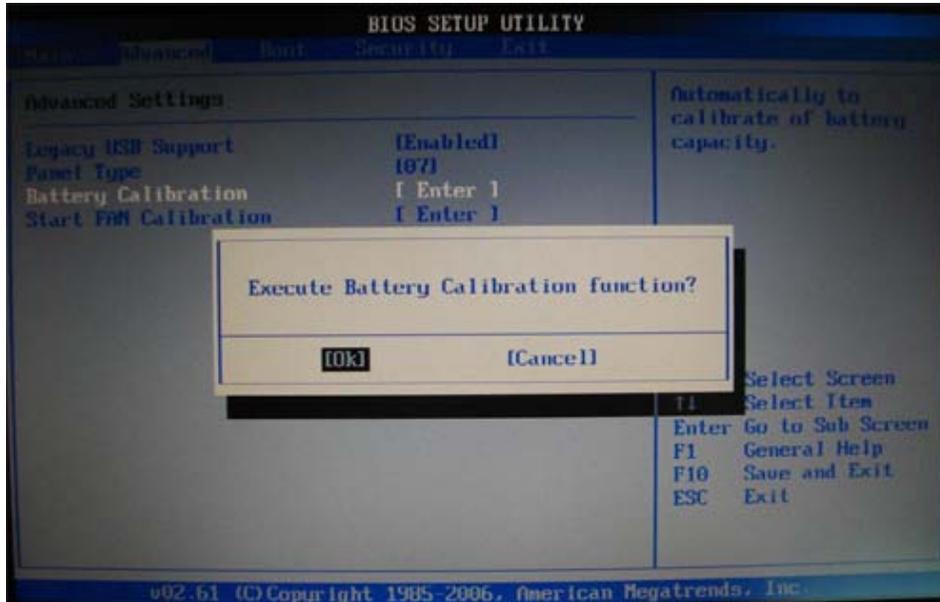
1. Connect a USB keyboard to the USB port and power on your Tablet.
Press DEL to enter the BIOS setup options.



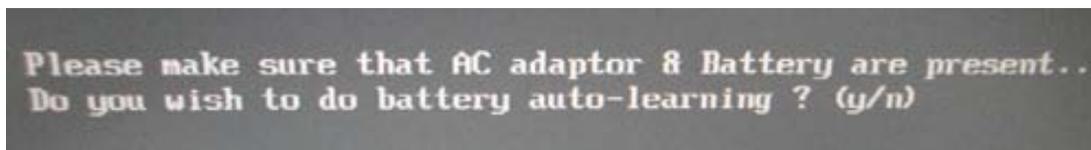
2. Select the “Advanced” menu, then navigate to “Battery Calibration” and press Enter.



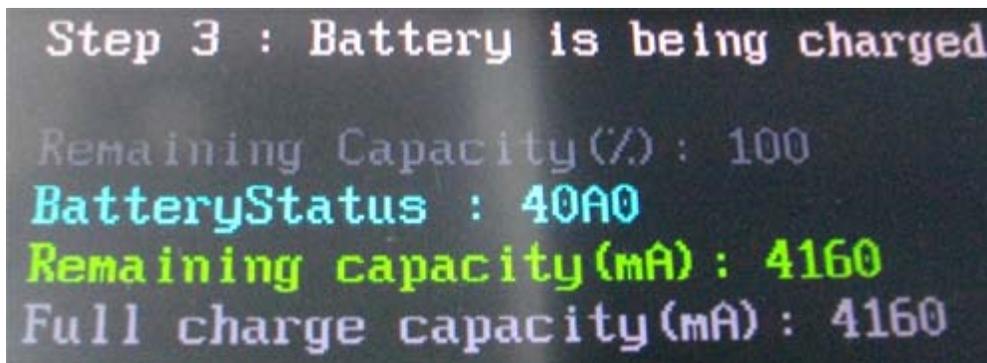
- Press "OK" to execute the Battery Calibration function



- If you wish to enable battery auto-learning, press "y"



- Finished!! Restart your V12



Appendix I

Portfolio case usage

Please follow the pictures below.

Step 1



Step 3



Step 2



Caution

Always put the tablet into the proper compartment inside the portfolio case in order to prevent damage

Appendix J

Packing carton



Step 1	Step 5	Step 9
		
Step 2	Step 6	Step 10
		
Step 3	Step 7	Step 11
		
Step 4	Step 8	Step 12
		

Appendix K

Upgrading your Tablet memory and storage device.

If you want to change or upgrade your system memory or storage device, please follow the procedure below. Note: Always take appropriate anti-static precautions before undertaking this procedure or this may result in damage to internal components. Disconnect the Tablet from the power supply and remove the battery before starting.

Open access cover

Step 1 Loosen the screws from the access cover



Step 2 Remove the access cover



Step 3 Inner view

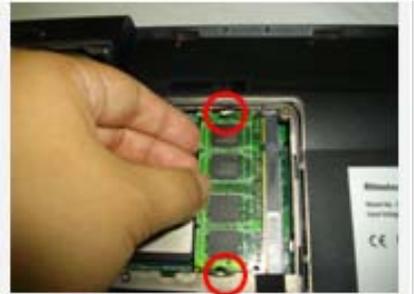


Swap memory

Step 1 Remove old memory



Step 2 Install new memory



Swap storage device

Step 1 Pull the blue ribbon up to raise and remove the drive



Step 2 Fit new drive and insert the packing rubber



Step 3 Ensure the rubber is pushed fully down



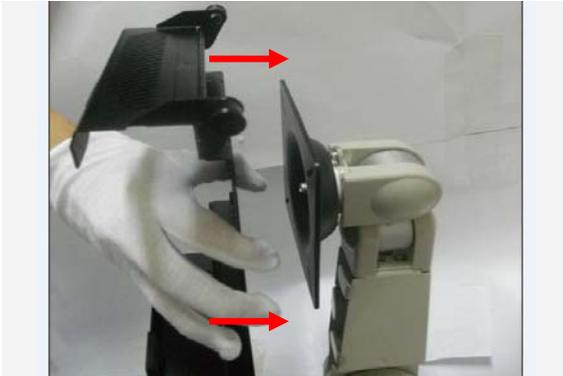
Warning

To avoid any damage, always follow the standard procedure to install memory & storage.

Appendix L

How to use the Vehicle Cradle

Step 1



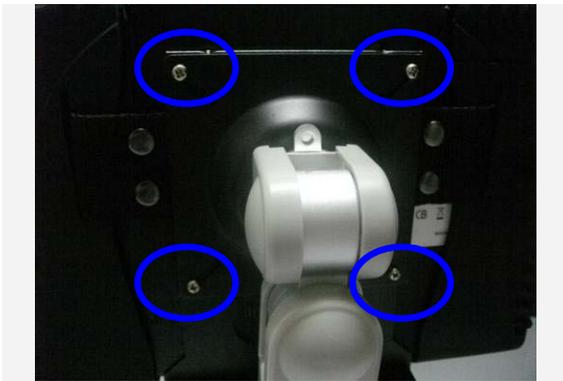
Connect vehicle cradle to VESA arm

Step 4



Pull up top cover

Step 2



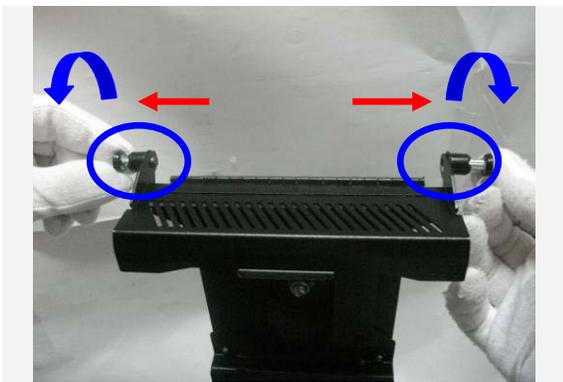
Fasten screws *4 to fix vehicle cradle

Step 5



Connect V12 to docking connector

Step 3



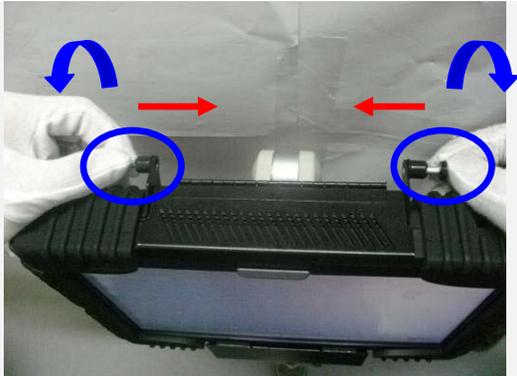
Follow the direction to open the lock of top cover

Step 6



Follow the direction to close top cover

Step 7



Follow the direction to lock the top cover

Step 10



Check LED indicator

- Amber : V12 is Charging
- Green : V12 is Charged

Step 8



Prepare the power cord & adapter

Step 11



Check USB socket at the bottom of the cradle

Step 9



Connect the power cord to vehicle cradle

Step 12



Prepare the Hook & screw

Step 13



Fasten screw to fix the hook to cradle

Step 14



Fix power cord with the hook

Step 15



Done

Appendix M

System specification

Processor

VIA C7-M 1.6 GHZ (System bus 400MHz)
L2 cache:128K

BIOS

AMI Note BIOS;1MB;Flashable

Display

12.1inch WXGA TFT;1280 x 800;up to 262,144 colors
Viewable: Horizontal:+45~-45 ° ; Vertical:+20~-45 °

Graphic

Integrated 2D/3D graphic engine; up to 128MB

Memory

One DDR II SODIMM socket; 256MB~1GB(533/667)

Touch Screen

Resistive touch screen ; Hardness
:3H;Durability:Knock 35,000,000 times

Stylus

Stylus; Quaduro Systems V12 series pen (item code:
92090016-00);

Storage type(Choose 1 of the 3)

- (1) Hard disk drive: 2.5 inch SATA 40~500 GB(5400/
7200 rpm)
- (2) Solid state drive: SATA II 16~128GB;68MB/sec
- (3) Flash module: SATA 128MB~8GB;1.5Gb/sec

Audio

High Definition Audio;24-bit output

Communications

Built-in 56K V.92 modem;
Built-in 10/100 Base-T Ethernet;
Wireless LAN 802.11 b/g/n

Security

Kensington Lock support
Integrated Smart Card reader(optional)

Battery

Standard Li-Ion 6-cell smart battery,4400mAH
battery life up to 3.5 hours

AC Adapter

Auto-sensing AC 100~240V,50/60Hz
DC 20V,3.25A,65W

Power Management

ACPI 2.0

I/O interfaces

1 x LAN RJ-45
1 x modem RJ-11
1 x VGA(15 pins D-sub)
1 x Express card slot
1 x USB port 2.0
1 x docking extension slot
1 x stereo headphone
1 x microphone
1 x memory card slot(MS/MS Pro/SD/MMC)
1 x smart card slot(optional function)
DC-in

Dimensions and weight

297 x 210 x 35 mm
315 x 227 x 46 mm(with Anti-collision rubber)
2.05kg(with Anti-collision rubber)

Software

WindowsR Vista basic
WindowsR Vista Business
WindowsR XP Pro for Embedded Systems
WindowsR Vista for Embedded Systems
**Quaduro Systems Computer recommends
MicrosoftR
POS ready 2009
Quaduro Systems Computer recommends
MicrosoftR
WindowsR XP embedded 2007 SP2
Quaduro Systems Computer recommends
MicrosoftR
WindowsR Embedded Standard 2009**

Warranty

2 years warranty(3 years option)

Wireless Technologies (WLAN)

Import and usage according to country-specific
regulations
The WiFi 802.11n module is WiFi certified

Accessories

Portfolio case
Anti-collision rubber with hand strap
Replacement Stylus

Environmental

Operating Temperature(with power management)
5°C to 35°C(41°F to 95°F)
Humidity:20% to 85%(non-condensing)
Storage Temperature:-15°C to 60°C(5°F to 140°F)

