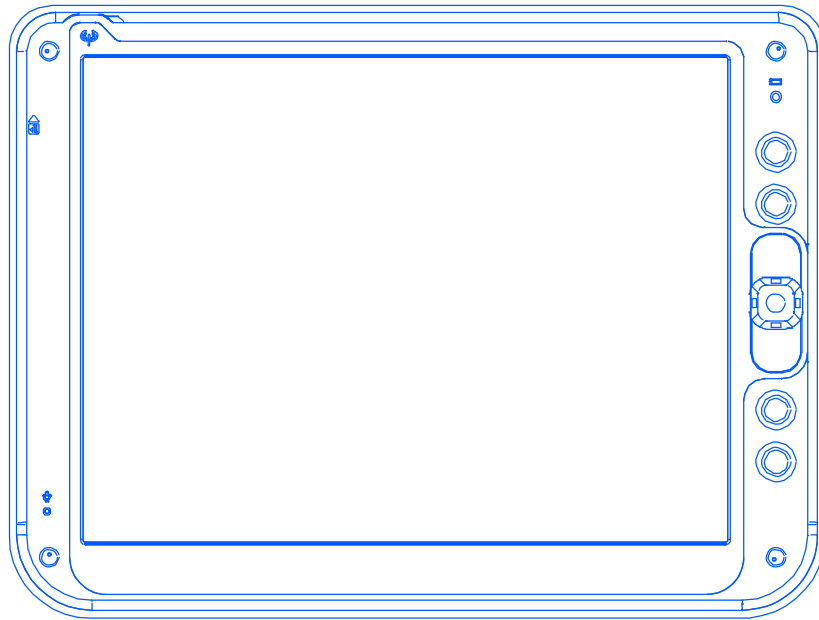


# PHILIPS

## User Manual



**12" LCD ProScribe Xper module Atom**

**CE**

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FCC ID: GZM802161 and 6319A-802161

## FCC Notice

The device complies with part 15 of the FCC Rules. Operation is subjected to the following 2 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.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, while 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.


## Modification



The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

## Cables

Connections to this device must be made with shielded signals cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

 The lightning flash with arrowhead symbol is intend to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be sufficient magnitude to constitute a risk of electrical shock to people.

 The exclamation mark is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in literature accompanying the appliance.

	<p><b>CAUTION</b> RISK OF ELECTRICAL SHOCK DO NOT OPEN <b>ATTENTION</b> RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR</p>	
<p><b>CAUTION: TO AVOID THE RISK OF ELECTRICAL SHOCK. DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL</b></p>		

### WARNING:

**THE ENCLOSURE HAS TO BE CHECKED UPON COLLISION DAMAGE; REFER TO QUALIFIED SERVICE PERSONNEL**

**XPER MODULE MONITOR DO NOT HAVE APPLIED PARTS, AND ARE NOT INTENDED TO BE CONNECTED TO A PATIENT CIRCUIT.**

---

## Safety and EMC approvals

The 12” LCD ProScribe Xper module Atom meets the following medical safety requirements:

### DIRECTIVES

- MD – Safety Requirements: 2006/42/EC.

### STANDARDS

- IEC 60601-1: 1988 + A1:1991 + A2:1995.
- EN 60601-1: 1990 +A1:1993 +A2:1995
- UL60601-1, 1<sup>st</sup>, 2006
- CAN/CSA-C22.2 No. 60601-1-M90, 2005
- IEC 60601-1: 2005
- EN 60601-1: 2007
- ANSI/AAMI ES 60601-1:2005
- CAN/CSA-C22.2 No. 60601-1:2008

The 12” LCD ProScribe Xper module Atom meets the following EMC a Radio requirements

### DIRECTIVES

- R&TTE - Radio and Telecommunication Terminal Equipment: 1999/5/EC.
- FCC (Federal Communications Commission).
- IC (Industry Canada).

### STANDARDS

#### EMC and RADIO (standards)

- EN 60601-1-2
- EN 300 328 V1.6.1 (2004-11).
- EN 301 489-1 V1.8.1 (2008).
- EN 301 489-17 V2.1.1 (2009).
- 47 CFR FCC Part 15 – Subpart B.
- 47 CFR FCC Part 15 – Subpart C.
- RSS-210

#### RF EXPOSURE (standards)

- MPE (Max. Permissible Exposure): FCC 47 CFR part 15 Subpart 15.255
- EMF (Electromagnetic, Magnetic Field): EN 50392:2004

### **NOTE:**

This equipment / system is intended for use by healthcare professionals only. This equipment / system may cause radio interference or may disrupt the operation of nearby equipment. It may be necessary to take mitigation measures, such as reorienting or relocating the equipment / system or shielding the location.

### **RF EXPOSURE WARNING**



This EUT is in compliance with MPE for general population / uncontrolled exposure limits and it had been tested in accordance with the measurement methods and procedures specified in FCC 47 CFR § 1.1310 and 2.1091.

To satisfy FCC RF exposure requirements for mobile transmitting devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.

To ensure compliance, operations at closer than this distance are not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

### **NOTE:**

Even if this device has been certified according to medical standards requirements, the use of radio devices in specific clinical environment may interfere or cause the malfunction of some medical equipment. Before using this device in a medical environment, contact and ask permission to the local hospital authority.

## Biological Hazard and Returns

The structure and the specifications of this device as well as the materials used for manufacturing makes it easy to wipe and clean and therefore suitable to be used for various applications in hospitals and other medical environments, where procedures for frequent cleaning are specified.

However, normal use shall exclude biological contaminated environments, to prevent spreading of infections.

Therefore use of this device in such environments is at the exclusive risk of Customer.

In case this device is used where potential biological contamination cannot be excluded, Customer shall implement the decontamination process as defined in the latest edition of the ANSI/AAMI ST35 standard on each single failed Product that is returned for servicing, repair, reworking or failure investigation to Seller (or to the Authorized Service Provider). At least one adhesive yellow label shall be attached on the top site of the package of returned Product and accompanied by a declaration statement proving the Product has been successfully decontaminated.

Returned Products that are not provided with such external decontamination label, and/or whenever such declaration is missing, can be rejected by Seller (or by the Authorized Service Provider) and shipped back at Customer expenses.

## INTRODUCTION

The Philips 12" LCD ProScribe Xper module Atom, is a wireless smart display, released with Windows Embedded Standard (WES), designed for medical applications.

The 12" LCD ProScribe Xper module Atom, is designed upon PMS CV requirements. It makes use of wireless technology and thin-client computing to allow workers to access applications stored on a central server as if they were sitting behind their desktop monitor. Its ruggedized design, compact size and touch-screen interface makes it also a perfect solution for point of information and system control applications too.

### Main features

With a 1.6 GHz Intel Atom N270 x86 processor as its engine and Microsoft Windows Embedded Standard as operation system, the 12" LCD ProScribe Xper module offers a technologically powerful platform for mobile computing in enterprise applications. Other main features are:

- 12.1 inch TFT-LCD with Touch-screen functionality;
- 1024x768 resolution (XGA);
- display emulated keyboard;
- integrated WiFi™ 802.11b/g/n PCIE Module wireless LAN - Built-in internal antenna.
- lightweight (2,50 kg)

### Rugged design for the toughest environments

The 12" LCD ProScribe Xper module Atom is compliant with industry standards for liquid (IP21) .

#### **NOTE:**

This Product has been designed to make it able to withstand certain mechanical stresses and/or to withstand exposure to harsh, wet and dusty environment in accordance to the applicable industrial standards (IP grade). These measures are taken to enhance its durability. However, it cannot be guaranteed that this Product will not be damaged when dropped or when subjected to liquid spill or alike. Therefore the user is required to take appropriate care of the Product and to apply the following recommendations:

1. Do not drop the Product, do not hit the touch screen and do not place heavy objects on the Product
2. Do not expose the Product to moisture, dust and liquid sprays;
3. Do not scratch the touch screen with sharp edges and only use the provided tools (stylus pen);
4. Use a dry soft cloth to clean the Product and, specifically, the touch screen;
5. Do not use the Product in environments exceeding the specified temperature and humidity range

---

## Easy to integrate, deploy and maintain

The 12" LCD ProScribe Xper module Atom allows users to take full benefit of thin-client computing where data and applications are kept on a server where they can be managed centrally, more securely and at lower total cost. Nearly no downtime is incurred in case a device is lost or stolen: a new 12" LCD ProScribe Xper module Atom straight from the box allows a user to resume an interrupted login session exactly as before.

Server access is provided by one of the two pre-installed thin clients, Microsoft Remote Desktop Protocol (RDP), or Internet Explorer.

## Flexible to fit any vertical application

The 12" LCD ProScribe Xper module Atom offers a full suite of utilities and multiple plug-and-play interfaces for easy integration into any type of environment, and specifically:

- Full-size XGA resolution: 1024 x 768
- Basic version with 1GB RAM and 4GB compact flash memory
- Two USB ports
- An 100Mbps RJ-45 Ethernet interface

## Approved for medical applications

The 12" LCD ProScribe Xper module Atom meets the medical safety, EMC and Radio requirements.

For more details see "**Safety and EMC approvals**" chapter.

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## 1. TECHNICAL INFORMATION

<b>Processor</b>	Intel Atom N270 1.6 GHz
<b>Chipset</b>	Intel 945GSE + 82801G (ICH7-M)
<b>Graphic Processor</b>	Intel GMA945
<b>BIOS</b>	Phoenix Award BIOS
<b>Operating System</b>	Intel Microsoft Windows Embedded Standard with SP3
<b>Networking</b>	<b><i>Built-in 802.3 network card (Realtek RTL8111DL)</i></b> <b><i>Built-in 802.11 b/g/n Wireless PCIE module with internal antenna</i></b> Model number: RTL8188CE Model name: AW-NE139H Bands transmission: Europe 2413 ~ 2472 MHz U.S. and Canada 2413 ~ 2462 MHz Modulation: DSSS (for IEEE 802.11b) OFDM (for IEEE 802.11g)
<b>Remote Protocol</b>	Microsoft RDP
<b>Memory</b>	1GB DDR2 SODIMM RAM
<b>Local Storage</b>	4GB PATA Compact Flash Module
<b>LCD Panel Characteristic</b>	12.1 “ TFT LCD with XGA 1024 x 768 resolution , LVDS I/F (NEC NL10276BC24)
<b>Audio System</b>	High Definition Audio Interface (Realtek ALC262) Internal mono microphone Internal stereo speakers
<b>Durability</b>	Rugged anti-shock design with standing 1 meter drop IP21 water and dust resistant construction (front side)
<b>PAD I/O</b>	<ul style="list-style-type: none"><li>• 2 x USB ports</li><li>• 1 x D-SUB 9 pins which supports Ethernet signals and power DC in</li></ul>
<b>LED indicator</b>	<ul style="list-style-type: none"><li>• 1 x WLAN LED</li><li>• 1 x Power green LED (ON / OFF status)</li></ul>
<b>Buttons and Controls</b>	<ul style="list-style-type: none"><li>• 4 x hot keys (three of which are user programmable)</li><li>• 1 x Reset button</li><li>• 1 x Track pointer with 2 buttons (mouse emulation)</li></ul>
<b>DC input rating</b>	DC In 24V (1A)

### **NOTE:**

1 - WiFi and the WiFi logo are the registered trademarks of the Wi-Fi Alliance.

2 - Microsoft and Windows, Windows WES and Windows RDP are registered trademarks of Microsoft Corporation

3 - All other trademarks and registered trademarks are property of their respective owners.

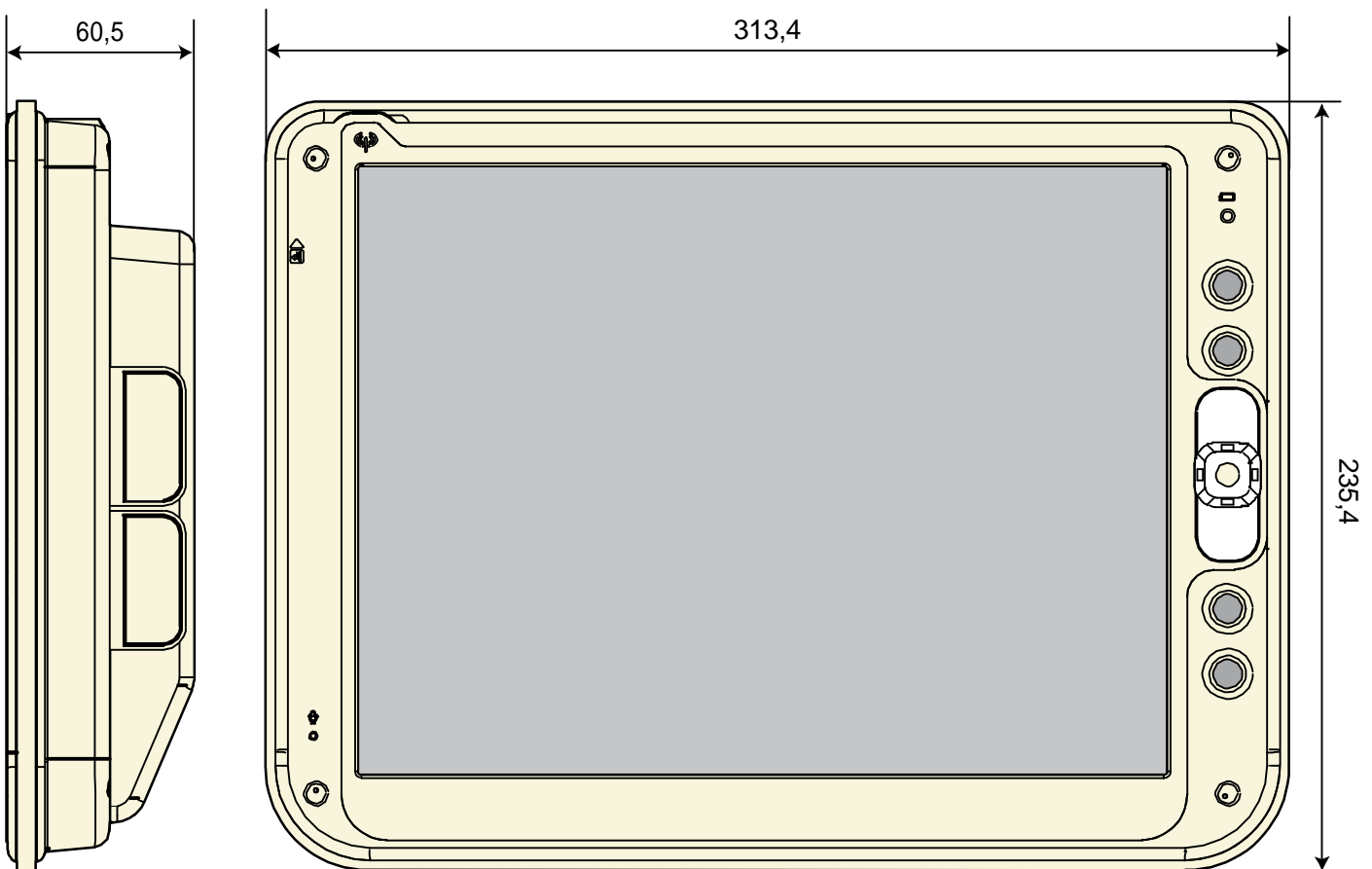


## 2. INSTALLATION

See BBRS ver. 0.5 PMS CV customer spec. paragraph. 5.1.3 cod. 4522 901 05890

While unpacking the 12" LCD ProScribe Xper module Atom, inspect it and other package contents for shipping damage that could cause a fire or shock hazard. Immediately report any shipping damage to the carrier or transportation company and contact customer service for assistance. Keep all packing material in case you need to ship, store or return the device.

## 3. DIMENSIONS



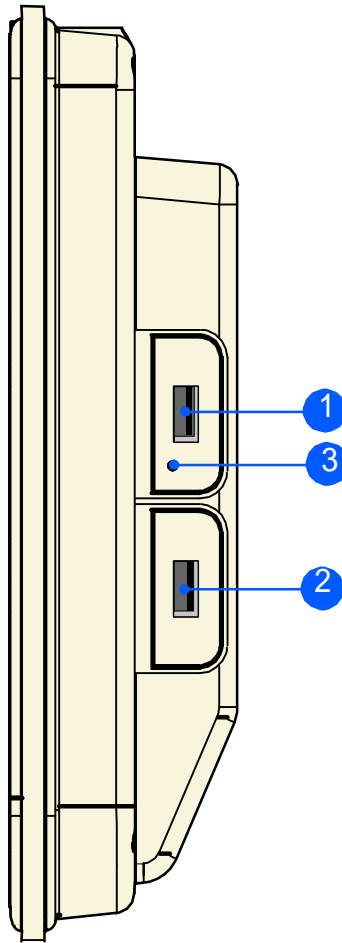
### 3.1. WEIGHT

Weight without packaging : 2,50 Kg.

## 4. INPUT INSTRUCTION

### 4.1. RIGHT VIEW

1. USB 2.0 port type A
2. USB 2.0 port type A
3. Reset button

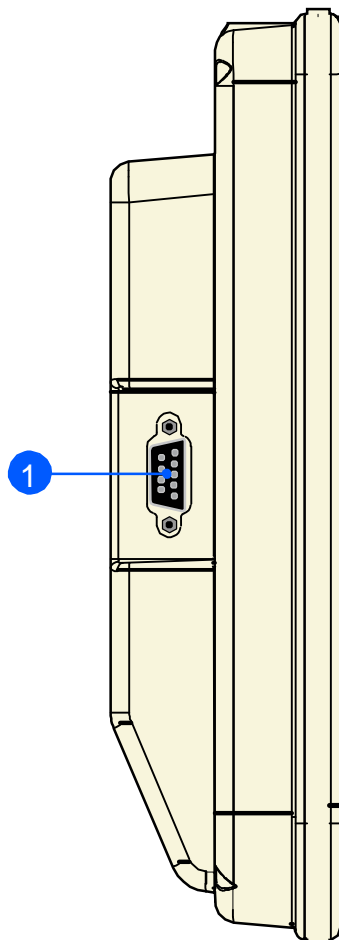


### 4.2. LEFT VIEW

1. D-SUB 9 pins male

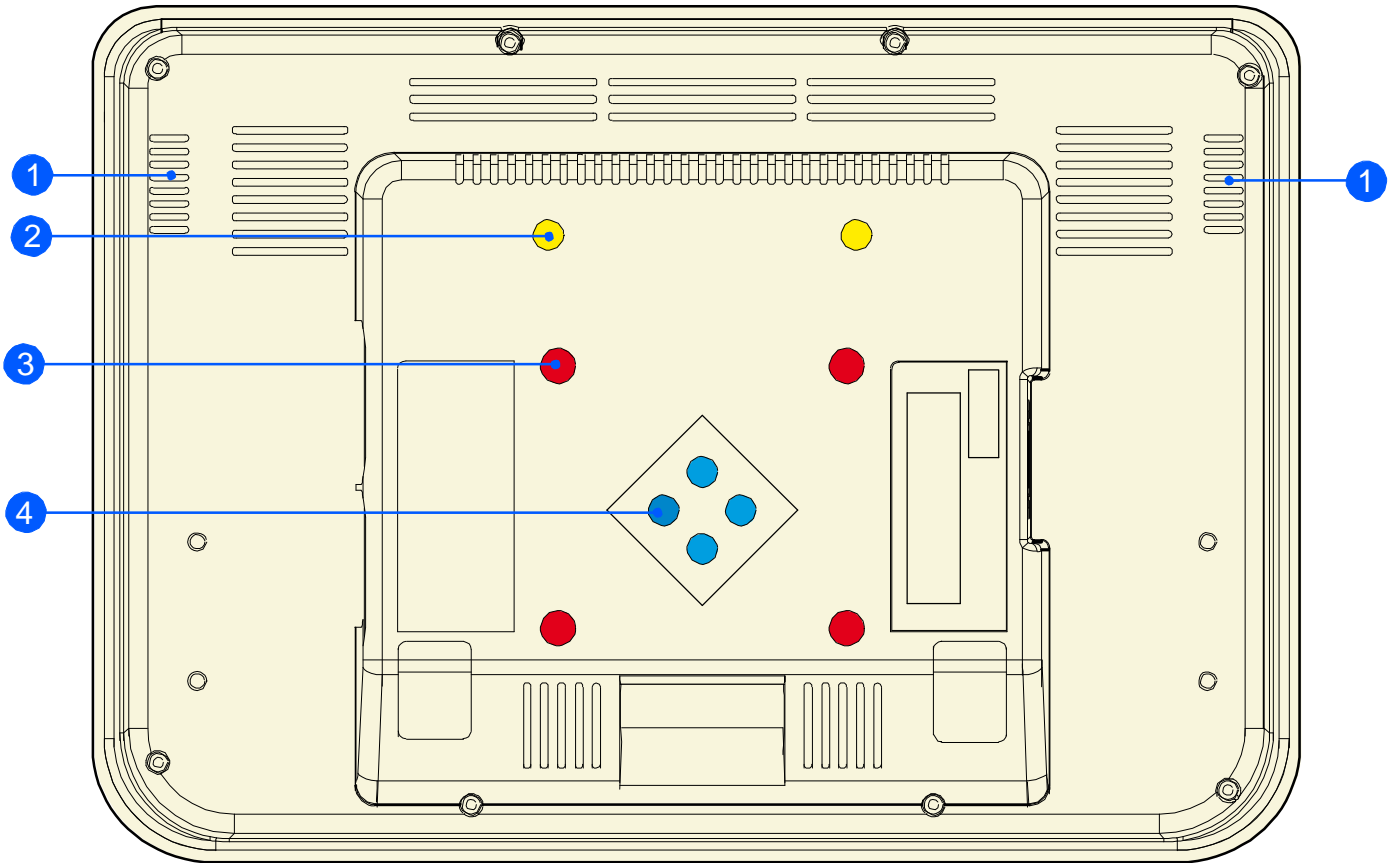
Pinning configuration:

- 1 Screen (PE)
- 2 TX+
- 3 RX+
- 4 24V
- 5 24V
- 6 TX-
- 7 RX-
- 8 0V
- 9 0V



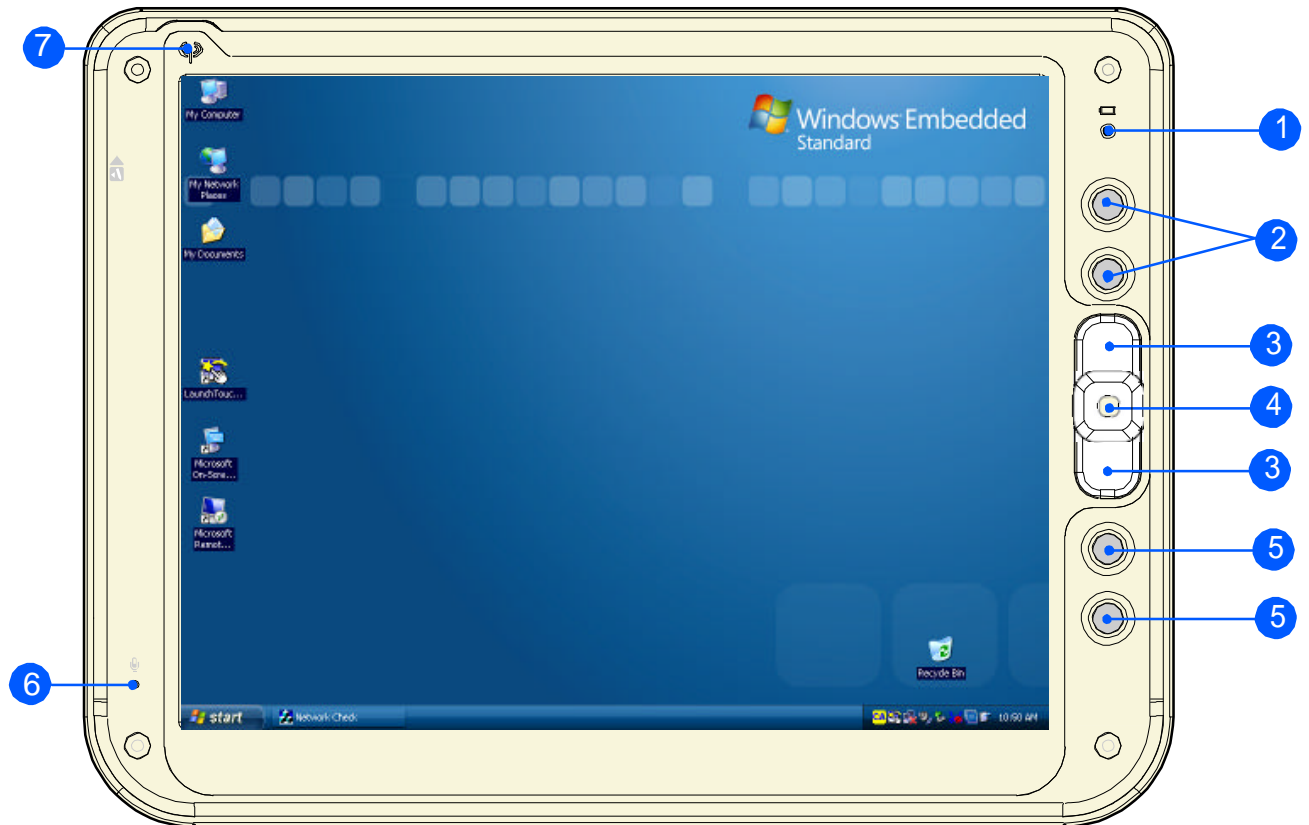
### 4.3. BACK VIEW

1. Speakers
2. Desktop feet support mounting screw holes (2 x M3)
3. VESA MIS-D mounting screw holes (4 x M4)
4. TSM swing-arm and pedestal mounting screw holes (4 x M3)



## 5. CONTROL PANEL DESCRIPTION

1. Power On LED
2. Programmable buttons
3. Track stick buttons
4. Track stick
5. Programmable buttons
6. Microphone
7. WLAN status LED



## 6. BEFORE YOU BEGIN

The 12" LCD ProScribe Xper module Atom is intended for use as Windows Embedded Standard powered wireless thin client touch-screen device.

To use your 12" LCD ProScribe Xper module Atom you must have the following;

- ? an AC / DC power supply (24Vdc output voltage - 3,42 A DC output current)
- ? a wireless access point to access the corporate network or an Ethernet connection

## 7. GETTING STARTED

The Windows Embedded Standard operating system provides you all the convenience to set-up any type of thin-client session with centrally located applications or web-based services.

### 7.1. WRITE PROTECTION FILTER

The 12" LCD ProScribe Xper module Atom is pre-configured with a Windows Embedded Standard feature called Enhanced Write Filter (EWF) to prevent writing on the CF card. When write protection is activated, all recently installed software products and changed user settings are not stored into the CF and hence are removed after a reboot.

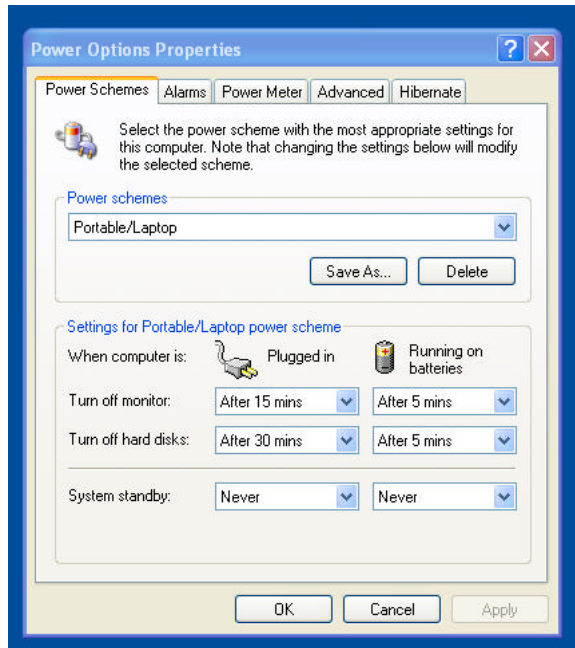
The EWF is automatically enabled when the logged user is limited user **Headless**, and disabled when the logged user is the administrative user **Administrator**.

### 7.2. POWER SAVING MODE

*To make changes to power saving setup,*

- ? Navigate through: 'start' → 'Control panel' → 'Power Options' → 'Power Schemes'.
- ? Select the power scheme (i.e. Portable, Presentation...) that best meets your needs.
- ? Click on the 'OK' button to save the setting.

#### Power Schemes

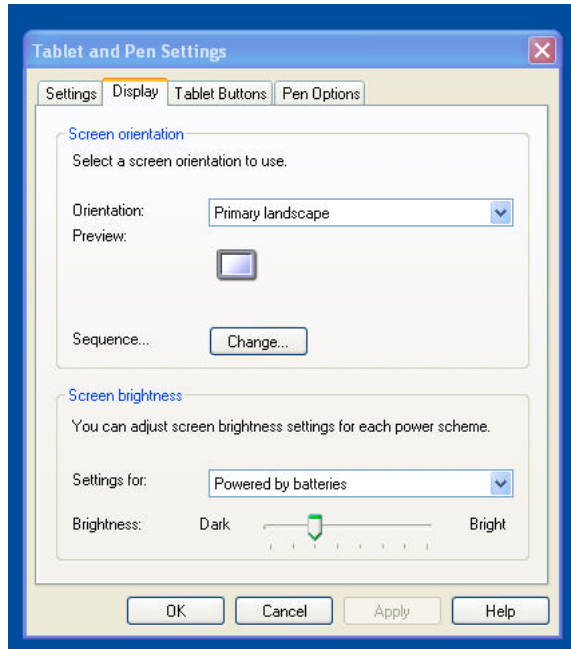


## 7.3. SCREEN BRIGHTNESS

To adjust the 12” LCD ProScribe Xper module Atom brightness, follow this procedure.

- ? Navigate through: ‘start’ → ‘Control Panel’ → ‘Tablet and Pen Settings’ → ‘Display’
- ? Moving the slide, set the desired Brightness level for the ‘When plugged in’ condition.
- ? Click on the ‘OK’ button to save the setting.

### Display



## 7.4. SET DATA AND TIME

Double click on the clock on the taskbar (in the bottom right corner of desktop) to set new data or time

## 8. DATA INPUT TO THE TOUCH SCREEN

### 8.1. TOUCH THE SCREEN

Use a stylus pen to move the mouse cursor or select the desired desktop icon or menu.



**NOTE:**

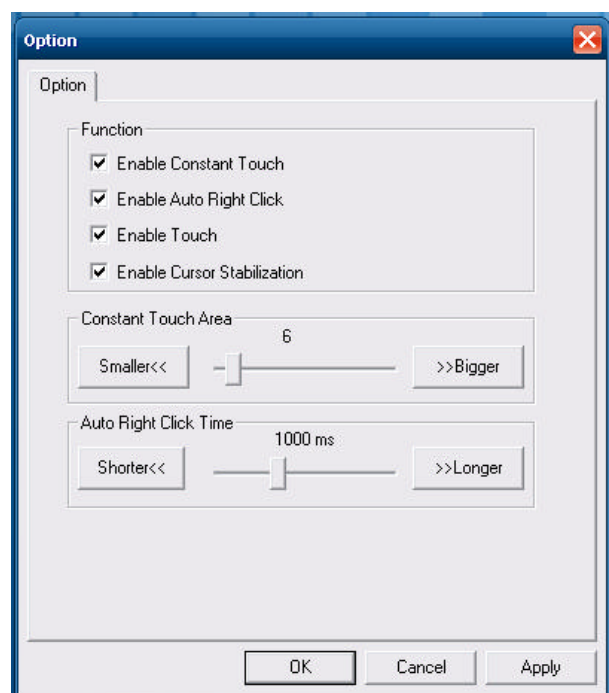
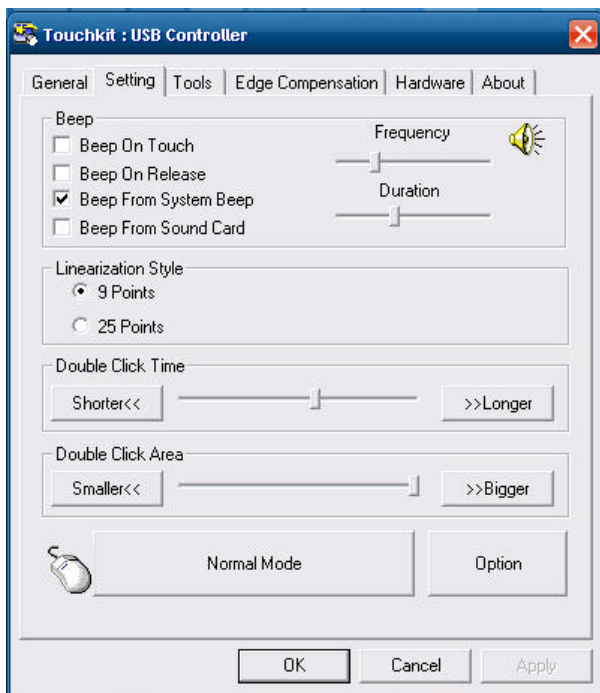
*The stylus pen is designed for your screen. The stylus pen can be provided upon customer request. Use of fingertip or other pointers could damage your screen.*

### 8.2. RIGHT CLICK EMULATION

Users accustomed to a mouse device, often right click for quick access to display options for an icon.


The stylus pen offers a similar function; touch the screen with the pen and hold it on the screen until the right click action is accomplished.

If needed, the right click emulation can be disabled by deselecting the **'Auto Right Click'** option in the **'Setting'** folder, **'Option'** button of the Touchkit Control Panel.



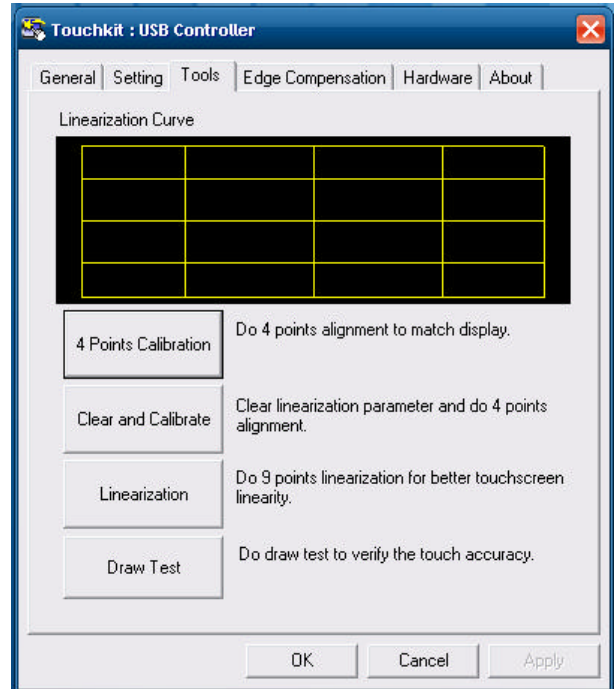
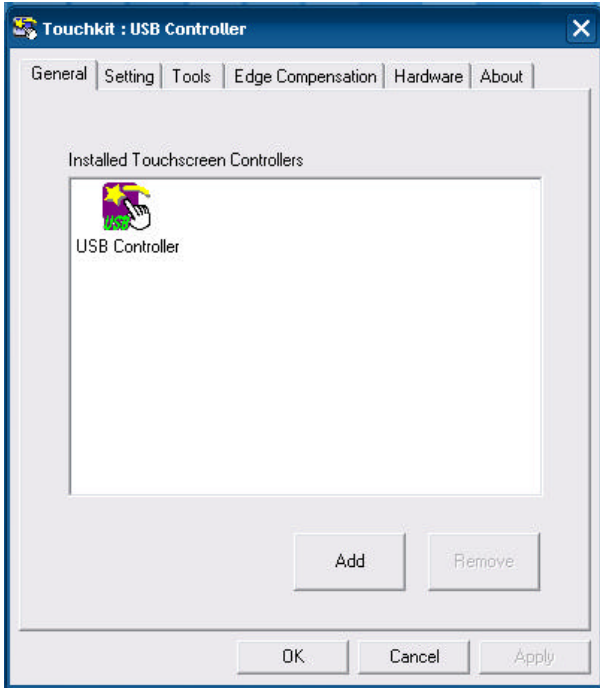
### 8.3. TOUCH-PANEL CALIBRATION

If the response of the Touch-Panel results misaligned with the pen, you can calibrate it following this procedure:

1) Double click on the Touchkit icon in the  Taskbar

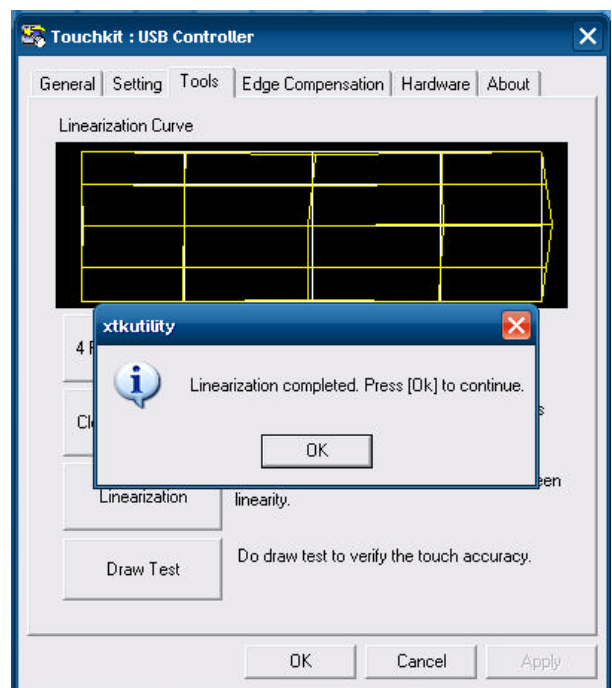
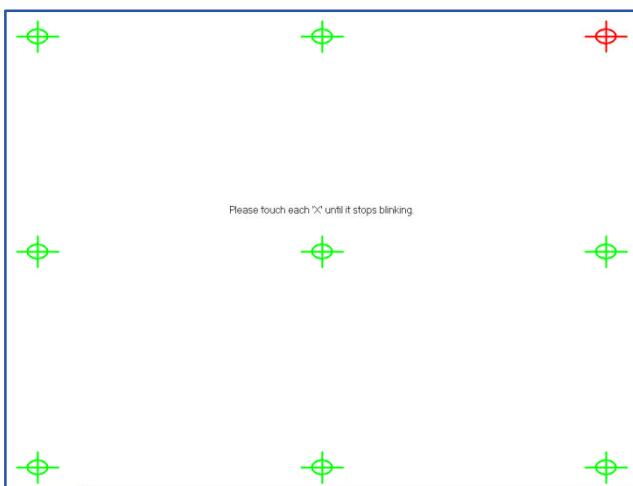
2) Select 'Tools' on the Touchkit menu.

3) Press 'Clear and Calibrate' to clear the linearization data and start the 4 points calibration.



4) Select "Tools" on the Touchkit menu, and then 'Linearization' to start the 9 points linearization.

5) Click 'OK' at the end to confirm the operation.





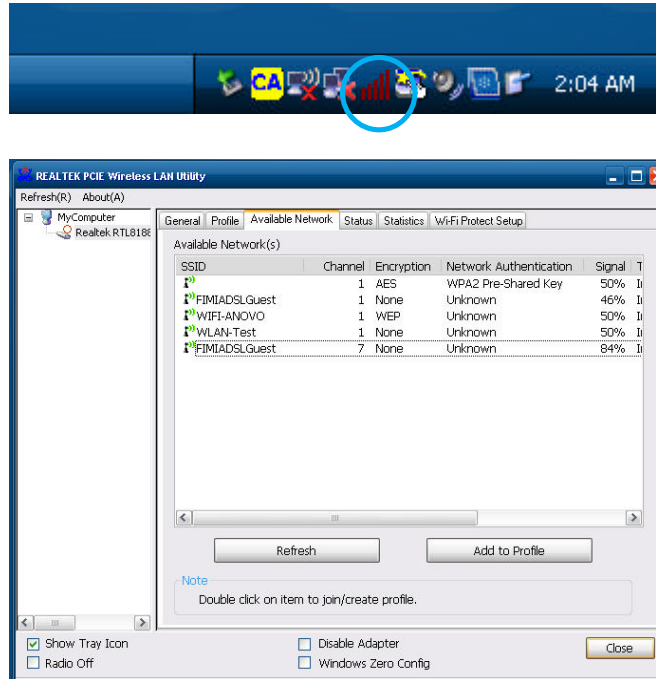
## 9. CONNECTING TO A NETWORK

You can setup a connection to a wireless network (WLAN) or a wired network (LAN).

### 9.1. WLAN CONNECTION

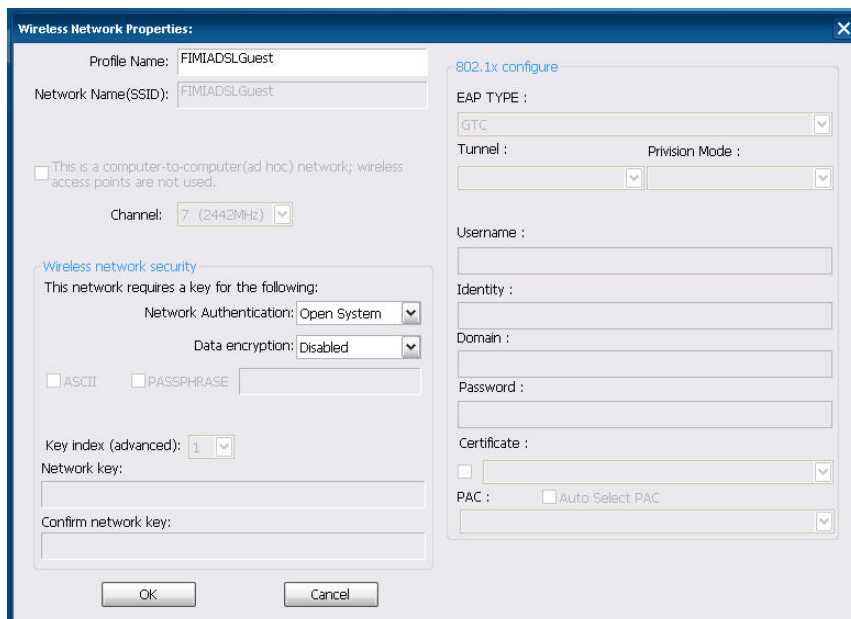
#### 9.1.1. Wireless module Control Panel method

- ? Click on the REALTEK PCIE Wireless LAN Utility icon in the taskbar, at the bottom right of your screen.
- ? Click on the 'Available Network' Tab to select it.
- ? Double click on one of the available networks, to start the connection procedure to that network (you will have to insert other data if required, i.e. network password).
- ? The selected network will be automatically added in the list of available network Profiles.



#### NOTE:

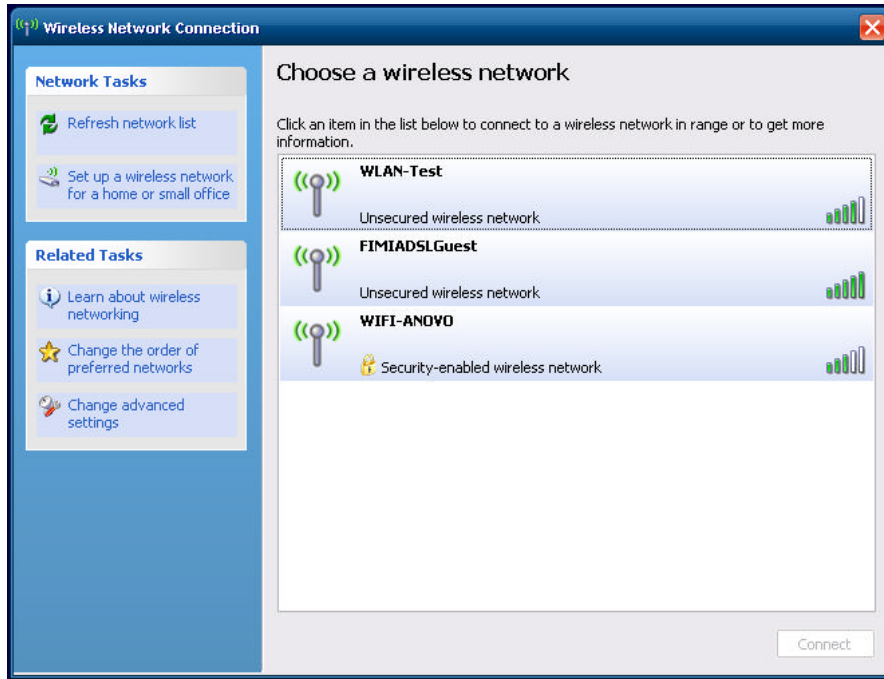
It is possible to completely disable the wireless XPER signal, by clicking on the 'Radio Off' option (the blue WLAN status led will turn off).



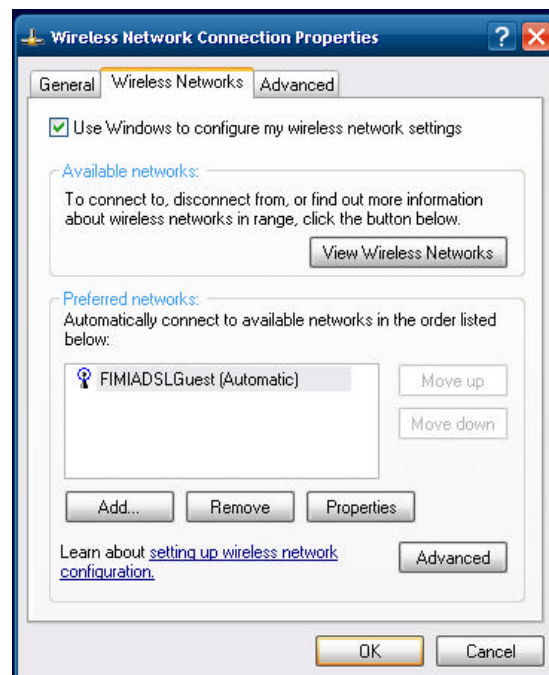
### 9.1.2. Windows Zero Configuration method

The WLAN setup is strictly dependent on the existing wireless network infrastructure. An example of WLAN setup is depicted:

- ? Click on the REALTEK PCIE Wireless LAN Utility icon in the taskbar, at the bottom right of your screen.
- ? Click on the **'Windows Zero Config'** option to select it.
- ? Navigate through : **'start' → 'Control Panel' → 'Network Connections'** and double click on the **'Wireless Network Connection'** icon; the Wireless Connection Status window will pop-up.
- ? Select one of the available networks, and click on the **'Connect'** button.
- ? If it is a protected network, insert the required network key or password.

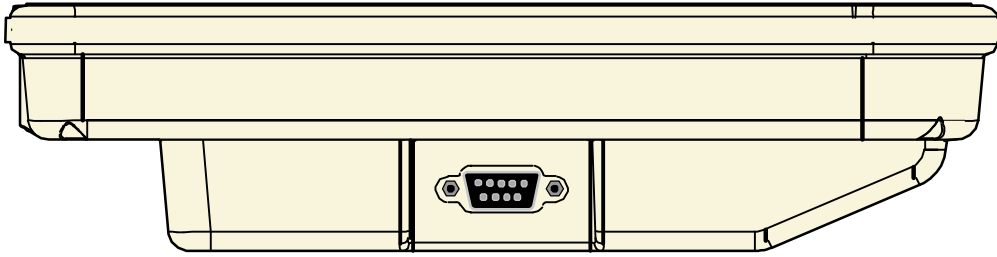


- ? To further configure the WLAN parameters, select **'Change advanced settings'** in the **'Related Tasks'** panel of the wireless connection window.
- ? The **'Wireless Network Connection Properties'** dialog pops up, select the **'Wireless Networks'** tab.
- ? Select the preferred network and click on **'Properties'** button to adjust the authentication / encryption parameters.

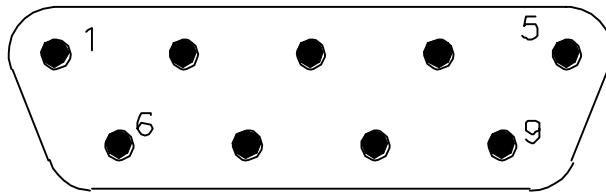


## 9.2. LAN CONNECTION

The D-SUB 9 pins is used to connect your 12" LCD ProScribe Xper module Atom to a LAN network.



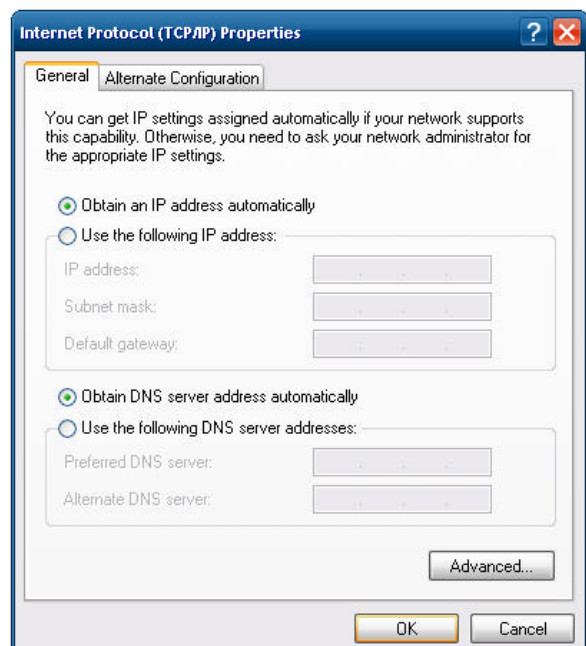
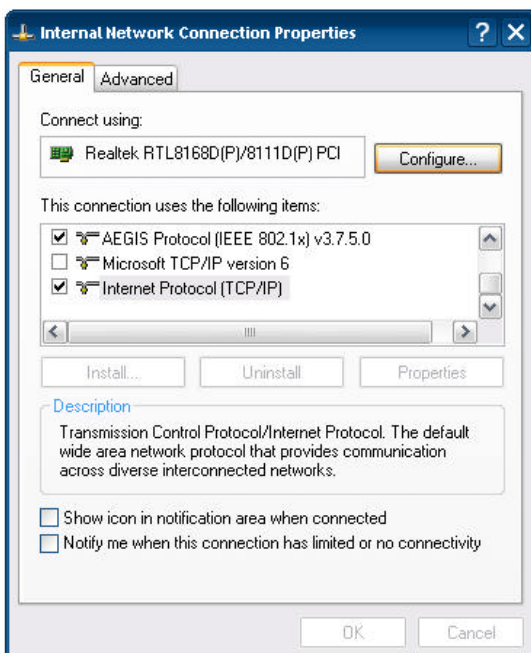
Pinning definition for sub-D (male)



Pinning configuration

Pin	Signal	Pin	Signal
1	Screen (PE)	6	TX-
2	TX+	7	RX-
3	RX+	8	0 V
4	24 V	9	0 V
5	24 V		

Please refer to your network administrator for setting of parameters to connect to the desired Local Area Network.



---

### 9.3. REMOTE CLIENT

When the connection is ready, you may be required to launch a remote control application to communicate between your 12" LCD ProScribe Xper module Atom and the host computer.

The 12" LCD ProScribe Xper module Atom ships with the RDP applications to do this:

? Remote Desktop Connection connects to a Window server

To complete the connections with Remote Desktop Connection, you will need information including user name, password and network IP.

Ask your network administrator to provide the required setup information.

---

## 10. FEATURED SOFTWARE APPLICATIONS

Your 12" LCD ProScribe Xper module Atom has a suite of applications designed to create, share, and manage your information.

### 10.1. CONTROL PANEL

The Control Panel provides access to system settings allowing you to manage the properties of your 12" LCD ProScribe Xper module Atom such as:

? **Touch Panel**

Configures and calibrates your touch screen.

? **Display**

Sets your Background, Appearance, and Backlight Time Out preferences.

? **Tablet and Pen Settings**

Changes the screen brightness Power scheme

Changes the 12" LCD ProScribe Xper module Atom programmable buttons

? **Network Connections**

Selects and sets network properties.

? **System**

Displays your 12" LCD ProScribe Xper module Atom system information.

? **Microsoft Internet Explorer**

Microsoft Internet Explorer is designed to provide a rich Internet experience while using a Windows powered device. To launch it, tap on 'start' → 'All Programs' → 'Internet Explorer'.

? **Microsoft RDP**

This is a terminal services client that allows you to connect your 12" LCD ProScribe Xper module Atom to a Microsoft Windows terminal server.

To launch it, double click on the 'Remote Desktop Connection' icon on the desktop.

? **Microsoft Windows Media Player**

This is a multimedia application that plays audio and video files. For example, you can enjoy MP3 format music or play a MPEG-4 format video clip from a file located on the pad local storage or from the network.

To launch it, tap on 'start' → 'All Programs' → 'Windows Media Player'

? **Microsoft WordPad**

This application allows you to create, open and update simple document files.

To launch it, tap on 'start' → 'All Programs' → 'Accessories' → 'WordPad'

---

## 10.2.HOT KEY UTILITY

There are 4 hot keys buttons to quick launch software applications. You can customize three of these hot keys functions with the **'Tablet and Pen Settings'** applet.

- ? To run the applet, navigate through: **'start'** → **'Control panel'** → **'Tablet and Pen Settings'**
- ? Select the **'Tablet Buttons'** tab
- ? Select the tablet button to be modified
- ? Click on the **'Change'** button
- ? Select the new Action to be assigned to the button
- ? Click on **'OK'** to confirm the button assignment
- ? Click **'OK'** to save the new setting

### **NOTE:**

*Buttons default action:*

- ? Button 1 ( first from top ) → Esc
- ? Button 2 ( second from top ) → Ctrl+Alt+Del
- ? Button 3 ( third from top ) → Enter
- ? Button 4 ( fourth from top ) → OSK

## 11.EXTRA HARDWARE FEATURES

### 11.1.CONNECTING EXTERNAL PERIPHERALS

The 12" LCD ProScribe Xper module Atom is ready to go and usually, does not need any additional peripheral to operate. The 12" LCD ProScribe Xper module Atom can, in case required, be extended with virtually any type of external peripheral thanks to the built-in support of two 2.0 USB ports

### **NOTE:**

*The Windows WES version of the 12" LCD ProScribe Xper module Atom might not contain all the required components and drivers required to operate your peripherals. Please visit the website of the supplier to download the missing software items.*

### 11.2.RUGGEDIZED DESIGN

Your 12" LCD ProScribe Xper module Atom is specially designed to withstand to a liquid spill.

? Liquid spill

12" LCD ProScribe Xper module Atom meets IP21 requirement for water resistance.

---

## 12. TROUBLESHOOTING

### 12.1. THE 12” LCD ProScribe Xper module Atom WILL NOT TURN ON...

When power is on, you will see:

On the pad: Power indicator light above the screen on the right will turn green

If power is on, but you still don't see anything on the screen, wake up the pad by tapping on the screen or by pressing control buttons located on the right hand side of the screen.

If pad does not power on, check that;

the AC adapter is plugged into the DC in of the 12” LCD ProScribe Xper module Atom (D-SUB 9 connector), and make sure that the

Adapter is also plugged into the wall socket.

If the preceding steps do not turn the pad on, try restarting the machine:

As a last resort remove the power cord, wait ten seconds then insert again the power cord, to switch on the 12” LCD ProScribe Xper module Atom or try to push the reset switch button located between the 2 USB ports.

### 12.2. MY SYSTEM DOES NOT RUN SMOOTHLY

Poor wireless signal quality or the simultaneous opening of too many applications will cause deterioration in application performance.

To free up memory, close applications that are not in use.

Check wireless signal quality:

WLAN LED indicator. When the WLAN LED indicator is blue, a wireless signal is available.

If signal is weak, try moving closer to your Access Point, or try repositioning the antenna of the access point.

Network icon. Double tap the Network icon on the bar at the bottom of the screen. Choose the Wireless Information tab to show the current connection.

### 12.3. HOW DO I TURN OFF MY 12” LCD ProScribe Xper module Atom

To end operation, click on the 'start' button and then click on the 'Shut Down' button to turn off the pad.

### 12.4. WHEN I USE THE STYLUS PEN...

? System does not respond to taps...

Try tapping the center of an icon, or re-calibrate the touch screen.

? The mouse arrow is out of alignment...

The mouse arrow does not point to the center of icon as you intend. It might be due to the viewing angle or the touch screen may require calibration.

? Users accustomed to a mouse device use a right click for quick access to command options of an object.

The stylus pen offers a similar command function. Here's how: See chapter 8.2

#### **NOTE:**

*You might need to practice a couple of time in to operate your screen with taps.*

---

## 13. SAFETY AND PRODUCT CARE INSTRUCTIONS

### 13.1. CLEAN THE SCREEN:

- ? To remove dust and other particles, wipe the screen with a clean, soft, lint-free cloth.
- ? For heavy duty cleaning, wipe the screen with a soft, clean cloth lightly sprayed with a commercial window cleaner that does not contain wax or abrasives. Always apply the cleaner to the cloth, not the screen.
- ? If the display contains has become greasy, use isopropyl alcohol.

**NOTE:**

*Paper towels and other paper product are abrasive. Be sure to use a clean cloth when wiping the screen.*

### 13.2. CLEAN THE CASE:

- ? For normal cleaning, use a soft, dry cloth.
- ? For heavy duty cleaning, apply a small amount of a mild non-abrasive, ammonia-free, alcohol-free detergent onto a clean, soft, lint-free cloth and wipe the case surface.



---

## 14. PRECAUTIONS

### 14.1. Installation precautions

The equipment should be installed near an easily accessible outlet.

Do not install or leave the monitor:

In places subject to extreme temperatures, for example near a radiator, heating vent, or in direct sunlight. Subjecting the LCD monitor to extreme temperatures, could cause deformations of the casing or malfunctions.

In places subject to mechanical vibration or shock.

Near any equipment that generates a strong magnetic field, such as a TV or various other medical appliances.

In places subject to inordinate amounts of dust, dirt, or sand, for example near an open window or an outdoor exit.

If setting up temporarily in an outdoor environment, be sure to take adequate precautions against airborne dust and dirt. Otherwise irreparable malfunctions could occur.

### 14.2. Handling precautions

Do not press on or scratch the LCD screen. Do not place a heavy object on the LCD screen. This may cause the screen to lose uniformity or cause LCD panel malfunctions.

If the monitor is used in a cold place, a residual image may appear in the screen. This is not a malfunction.

The screen returns to normal as the temperature rises to a normal operating level.

If a still picture is displayed for a long time, a residual image may appear for a while. The residual image will eventually disappear.

The LCD panel becomes warm during operation. This is not a malfunction.

Allow adequate air circulation to reduce the LCD panel temperature (eg. on the desk keep it in the base station)

### 14.3. Maintenance precautions

Be sure to unplug the power cord from the mains when cleaning your device.

The front polarizer can be easily damaged. Take care not to scratch the front surface with any hard or abrasive material. Dust, finger marks, grease etc. can be removed with a soft damp cloth (a small amount of mild detergent can be used on the damp cloth). Do not apply water or detergent directly to the front surface as this may cause staining or damage the electronic components. Never use any solvent on the front polarizer or module as this may cause permanent damage. Wipe off water drop immediately. Long contact with water may cause discoloration spots. When the panel surface is soiled, wipe it with absorbent cotton or other soft cloth.”

### 14.4. Transportation precautions

Disconnect all cables from the monitor when transporting.

When you transport this device, hold the base sections of the display stand firmly in both hands. If you drop the device, you may be injured or the monitor may be damaged.

When you transport this device for repair or shipment, use the original cardboard box and packing materials.

## 15. DISPOSAL OF THE LCD 12" LCD ProScribe Xper module Atom

*Do not dispose of this monitor with general household waste.*

*The fluorescent tube used in this LCD monitor contains mercury. Disposal of this monitor must be carried out in accordance with the regulations of your local sanitation authority.*

*? For countries in the European Union*



This symbol indicates that this product (including the cables, plugs and accessory) must not be disposed of with the other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the collection of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, or your supplier's office.

*? For countries outside the European Union*

Disposal of electrical products in countries outside the European Union should be done in line with local regulations.

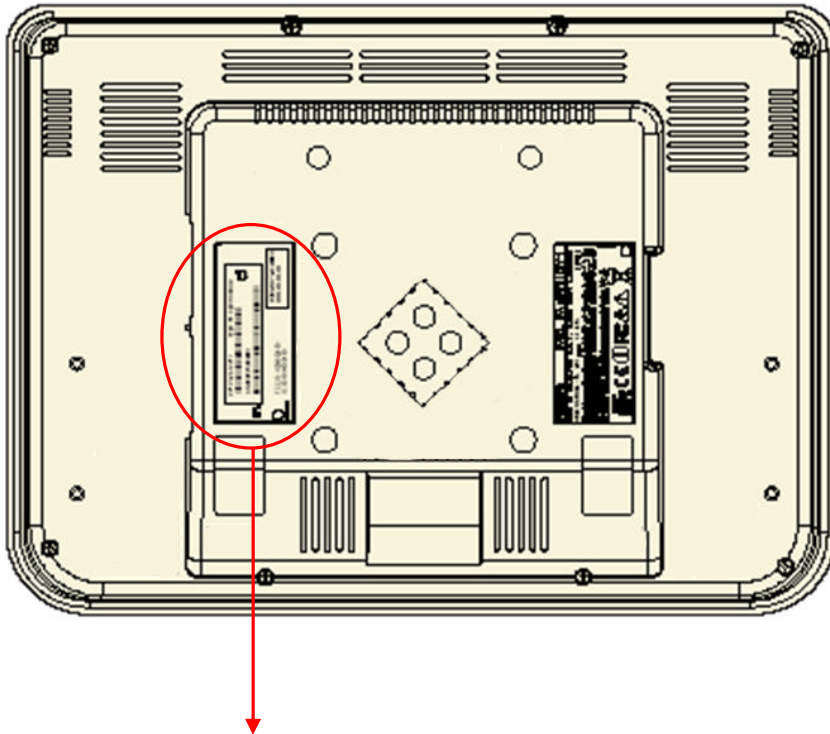
### 15.1. Dispose of coin battery inside of the 12" LCD ProScribe Xper module Atom (Mounted on main board) :

the coin battery contain Perchlorate Material-special handling may apply, See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).

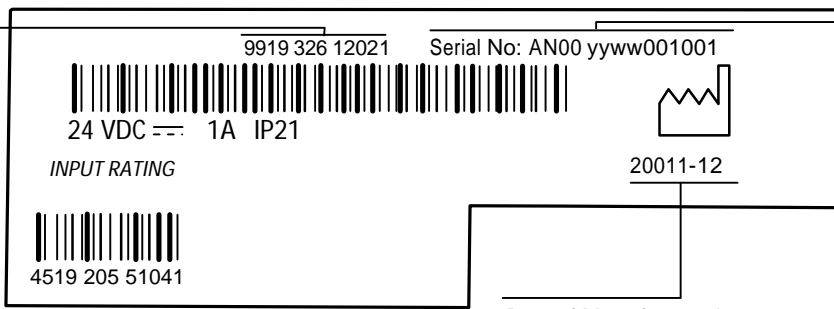


## 16. IDENTIFICATION LABEL

The identification label is visible on the back monitor side.



Code number (12NC)











Serial number

Serial number:  
**AN**=Origin code (FIMI)  
**00** = Technical level  
**yy**= Year (12=2012)  
**ww**= Week (01 to 52)  
**001001**= progressive number


## 17. SYMBOL DESCRIPTION

The following symbols may appear on the 12" LCD ProScribe Xper module Atom

	<p><b>WARNING: This symbol alert the user that important information concerning operation and maintenance are provided. Therefore the information should be read carefully</b></p>
	<p><b>Dangerous voltage</b></p>
	<p><b>Product complies with 2002/96/EC</b></p>
	<p><b>Federal Communications Commission notice (USA)</b></p>
	<p><b>Wireless symbol</b></p>
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Canada ICES-003, Class/Classe B</p> </div>	<p><b>Canada Interference-Causing Equipment Standard #3 Class B device</b></p>
	<p><b>Conformité Européenne; compliance to EMC Directive and Low Voltage Directive of the European Union</b></p>
	<p><b>Compliance with R&amp;TTE Directive 1999/5/EC for radio frequency devices</b></p>
	<p><b>Compliance with Underwriters Laboratories for general product safety in accordance with UL 60601-1 and CAN/CSA C22.2 601.1-M90</b></p>

## 18. Annex 1: Susceptibility parameters to noise of EUT in the environment in which it operates

### Subchapter 5.2.2.2 - Tab 4

Guidance and manufacturer's declaration – electromagnetic immunity			
The CMPD12CV-A is intended for use in the electromagnetic environment specified below. The customer or the user of the CMPD12CV-A should assure that it is used in such an environment.			
IMMUNITY test IEC 60601 TEST	LEVEL	Compliance	Level Electromagnetic environment – guidance
Conducted RF IEC 61000-4-6	3 V <sub>rms</sub> IEC 61000-4-6 150 kHz to 80 MHz	3 V	Portable and mobile RF communications equipment should be used no closer to any part of the CMPD12CV-A, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.  <b>Recommended separation distances</b> $d = (3,5 / 3) * \sqrt{P}$ $d = 0,366 m$
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	3 V/m	$d = (3,5 / 3) * \sqrt{P}$ $d = 0,366m$ 80 MHz to 800 MHz  $d = (7 / 3) * \sqrt{P}$ $d = 0,732m$ 800 MHz to 2,5 GHz  P is 19,93 dBm (0.0984 W) that is the worst case shown in the report No.: SE981230H01G issued by Bureau Veritas consumer Products Services (H.K.) Ltd. Taoyuan Branch Hsin Chu Laboratory on Aug. 06, 2010.  where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m).  Interference may occur in the vicinity of equipment marked with the following symbol: 
NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			
<sup>a</sup> Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the CMPD12CV-A is used exceeds the applicable RF compliance level above, the CMPD12CV-A should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the CMPD12CV-A. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.			

### Subchapter 5.2.2.2 - tab 6

Recommended separation distances between portable and mobile RF communications equipment and the CMPD12CV-A			
The CMPD12CV-A is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the CMPD12CV-A, can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the CMPD12CV-A.			
Rated maximum output power of transmitter P (W)	Separation distance according to frequency of transmitter (m)		
	150 kHz to 80 MHz $(3,5 / 3) * \sqrt{P}$	80 MHz to 800 MHz $(3,5 / 3) * \sqrt{P}$	800 MHz to 2,5 GHz $d = (7 / 3) * \sqrt{P}$
0,01	0,016	0,016	0,233
0,1	0,369	0,369	0,738
1	1,166	1,166	2,333
10	3,689	3,689	7,378
100	11,666	11,666	23,333
For transmitters rated at a maximum output power not listed above, the recommended separation distance <i>d</i> in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where <i>P</i> is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.			
NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			

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## 19. Annex 2

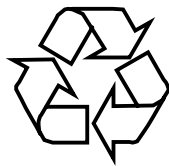
<b>REVISION HISTORY</b>			
<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Description of change</b>
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Specifications subject to change without notice.  
All dimensions shown are approximate.

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