User's Manual

IC-8 (2013/Mar./31)

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Software Licenses

The software included with the product and referenced in this document is furnished under a License Agreement. This Agreement specifies permitted and prohibited uses of this product.

General Guidelines

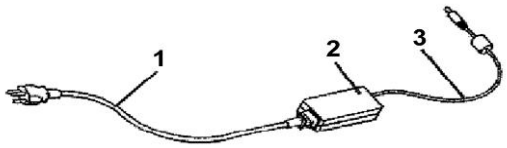
- Read all of the instructions carefully.
- Save the instructions for future use.
- To ensure follow all warnings and instructions marked in the product documentation and within the computer.
- Except as explained elsewhere in this manual, do not attempt to service the computer yourself. Opening or removing covers might expose you to dangerous voltage points or other risks. Refer all servicing of marked components to qualified personnel.

Power Cord Requirements

The power cord you received with this computer conforms to local specifications for use in the country where you purchased it. Power cord use in other countries may require an additional adapter and/or separate power cord. For additional information on local power requirements, contact an authorized dealer, reseller, or service provider.

About the AC Adapter

The AC adapter will automatically recognize any compatible power supply connected to the computer. The AC adapter can also be used to recharge the battery, which begins immediately after the AC Adapter cord is connected. A green LED will light to confirm charging is in progress. The ideal range for safe operation of the computer is from 100 ~ 240V AC.



1. AC Power Cord / 2. AC Adapter / 3. DC (Direct Current) Cord

Warning :

- Using the AC adapter to power other devices can damage the adapter or the device. This AC adapter is only designed for use with the product.
- Be sure to only use the AC adapter that comes provided with this product or a compatible option from the manufacturer. Other adapters may cause damage to the computer and will not be covered under the warranty.
- Grasp the adapter plug and not the cord, when unplugging the adapter from an electrical outlet.
- If the power cord becomes damaged (exposed or frayed, etc.), replace with a new AC adapter. Using a damaged cord may cause an electrical shock and may result in fire.
- Power off and unplug the AC adapter from the computer before unplugging it from the electrical outlet.

Battery (Lithium-Ion)

NOTE: Refer to following hazard statement within the service and operating documentation or on the adjacent label to the battery.

1. English

CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY INSTALLED. REPLACE ONLY WITH SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISCARD OF USED BATTERIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

2. French

IL Y A DANGER D'EXPLOSION S'IL Y A REMPLACEMENT INCORRECT DE LA BATTERIE. REMPLACER UNIQUEMENT AVEC UNE BATTERIE DU MÊME TYPE OU D'UN TYPE RECOMMANDÉ PAR LE CONSTRUCTEUR. METTER AU RÉBUT LES BATTERIES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT.

3. German

VORSICHT ! Explisionsgefahr bei unsachgemäßen Austausch der Batterie.
Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ.
Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

4. Swedish

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

5. Danish

Lithiumbatteri- Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kum ske med batteri af samme fabrikat og type.
Lever det brugte batteri tilbage til leverandoren.

6. Norwegian

Ekspolsjonsafe ved feilaktig skifte av batteri.
Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabriknten.
Brukte batterier kasseres I henhold til fabrikantens instruksjoner.

7. Finnish

Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainostaan laitevalmistajan suosittelemaan tyyppiin.
Hävitä käyteet paristo valmistajan ohjeiden mukaisesti.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference 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 case 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, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which to receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of shielded cord is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules. Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

FCC Caution:

1. The device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions：
   （1）This device may not cause harmful interference.
   （2）This device must accept any interference received, including interference that may cause undesired operation.

2. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

3. FCC RF Radiation Exposure Statement
   This device has been tested for compliance with FCC RF Exposure (SAR) limits. The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

4. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

CE Statement

This equipment has been designed to comply with EMC directive 89/336/EEC

And Decision 768/2008/EC

As an amended by 92/31/EEC and the Low Voltage directive 2006/95/EC,

This equipment has been comply with EMC directive 2011/65/EU And Decision 768/2008/EC

Manufacturers will need to test and approve the product to these directives.

Table of Contents

BEFORE USING YOUR COMPUTER 1
Product Features 2
Installation Guidelines 4
CHAPTER 1 6
GETTING STARTED 6
Unpacking the Product 7
Packing List 7
Power Supply 8
Using the Battery 8
To install and remove the Battery Pack 8
Installing the Battery/ Remove / Replacing the Battery 9
Caring for the Battery 11
Using the AC adapter 11
The Stylus Pen 13
Performing Mouse Clicks and Other Procedures with the Stylus Pen 13
For Optimal Performance from the Stylus Pen 14
The CMOS Camera 14
CHAPTER 2 15
SYSTEM OVERVIEW 15
Front View of the Computer 16
Right Side View of the Computer 21
Left Side View of the Computer 22
Top View of the Computer 23
Bottom View of the Computer 23
Rear View of the Computer 24
CHAPTER 3 26
PROTECTING AND MAINTAINING 26
Caring for Your Computer 27
Routine Care 27
Caring for the Battery 27
Caring for the AC Adapter 28
Caring for the Touch Screen Display 28
The System BIOS Utility 29
Adjusting the Video Resolution 30
Changing the Video Resolution of the Computer 30
CHAPTER 4 31
SPECIFICATIONS & SOFTWARE 31
Specifications and Standard Features 32
Software 35
Using the Smart Panel to Calibrate the Screen 35
Using The Front Panel Hot Key Utility 36
Define the function for Hot Key Utility 38
Using the Bluetooth Utility, BlueSoleil™ 39
Making a 3.5G Connection and Disconnection 41

Using the CMOS Camera.....42
Using The RFID 43
Using the Minismart card 44
Using the Barcode Scanner 45
Using the MSR.....47
Using the GPS 47
Using the Brightness Adjust 49
Trouble Shooting.....50

Before Using Your Computer

Congratulations on your purchase of the product.
You will soon be in command of the worlds most lightweight, efficient and secure solution for managing all of your technology and mission critical data. Scale the computer and streamline the costs of day-to-day business operations and multimedia demands. Discover the computer's unparalleled in-the-field versatility for efficiently and reliably coordinating a myriad of tasks without costing a fortune.

Chapter Preview:

- Product Features
- Installation Guidelines

Product Features

The product is a portable multimedia device empowering highly mobile users with wireless computing capabilities for day-to-day business and wireless applications. Its light weight and supreme portability combined with state-of-the-art multimedia capabilities provide exceptional writing, maneuvering, and on your feet computing. The product's primary features include:

- **Processor and OS (Operating System):** INTEL Linc Atom Processor Dual Core N2600 1.6GHZ/1M L2 Cache and Microsoft® Windows Embedded Standard 7/ Microsoft® Windows 7 Professional / Linux OS, a stable platform, providing exceptional performance for highly mobile users under extreme and variable conditions.

- **Multimedia LCD Display:** 8"-inch TFT 1024x768 (XGA) LCD with Touch Screen Control Panel (LED back light / Sunlight readable) and Smart Panel Application enhancing user's ability to view data outdoors and under moving conditions.

- **Complete Connectivity from Anywhere:** The computer's built-in Bluetooth 3.0®, IEEE 802.11b+g+n WLAN and 3.5G Module offers the mobile user the maximum opportunities to stay connected from anywhere, ensuring uninterrupted data sharing and synchronization. Limitless instant accesses to business critical information.

- **Integrated Ports and Adaptability:** Multiple I/O ports (2 x USB 2.0, Ethernet ,RS-232 Port) provide optimum versatility for any industrial or Business needs. Its ultra light weight and integrated wireless capability enable an effective mobile office. Multiple carrying options provide quick on-the-fly versatility while executing daily tasks comfortably and efficiently.

- **Special Integrated Functions:** Multiple special devices, RFID、Bar Code、Fingerprint、Scanner、MSR、Smart Card Reader、2M / 5M Pixel both sides Camera, can provide useful functions for business and industrial area.

- **Enhanced Protective Equipment**:

  The computer, designed for IP65 ingress protection rating, can provide indoor and outdoor protections of no ingress of dust and water jets against enclosure without harmful effects. Furthermore, the computer is equipped with 4 corner buffers to avoid drop-shock damages.

- **Enhanced Security Information:**

  The computer provides the Fingerprint device to secure your data protection.

Note: Read the following Instructions Manual carefully before unpacking and setting it up. Refer to the Instructions Manual if you encounter any problems. Keep this Instructions Manual on hand for your reference.

Installation Guidelines

Read the following before assembling or disassembling the computer:

1. Follow all warnings and instructions marked on the product and within the Manual.
2. Before you begin cleaning the computer, make sure that you have unplugged all power cords and the device is Powered Off. Use a damp cloth for cleaning. Do not use liquids of any kind of aerosol cleaners.
3. Never place the computer on an unstable surface; it may fall, causing serious damage to it.
4. Avoid using a telephone (other than a cordless type) with the computer during an electrical storm. There may be remote risk of electric shock from lightning.
5. To ensure optimum performance and to protect the computer from overheating, ventilation slots must not be covered or obstructed in any way. The computer should never be placed near a radiator, heat register or in a built-in cabinet unless adequate ventilation is provided.
6. The computer should only be operated using the specified power indicated on the Warning Label located on the battery. If you are unsure of the type of power available to your locale, consult a dealer or the local power company.
7. If using an extension cord with the computer, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also note that the total rating of all the devices plugged into the circuit does not exceed the fuse rating.
8. Never force objects of any kind into the computer’s ventilation or housing slots as they may contact dangerous voltage points or spark resulting in electrical shock or a fire. Keep all liquids of any kind away from the computer.
9. Always disconnect all telephone lines & all power cords from the wall outlet before servicing or disassembling this product. Refer to the dealer or a qualified technician under the following conditions:

a. When the power cord or plug is damaged or frayed.
b. If liquid has been spilled into the product.
c. If the computer has been exposed to rain or water.
d. If the computer does not operate normally when the operating instructions are followed. Adjust only those controls that are specified in the Operating Instructions or improper adjustment may require calibration again from a qualified technician.
e. If the computer has been dropped or the housing has been damaged.
f. If the computer experiences a distinct change in performance, indicating a need for service.

CHAPTER 1

Getting Started

Chapter Preview:

- **Unpacking and setting up the Product**
- **Packing list**
- **Power Supply**
- **The Stylus Pen**

Unpacking the Product

Before unpacking the product, prepare a suitable workspace for your computer. Make sure the workspace is level, stable and near an electrical outlet.

1. Open the box and remove the contents preserving the integrity of the box as you may need it and all of the packing materials for future shipping.
2. Inspect the contents for damage. If you find any irregularities or anything appears to be missing, contact your Dealer immediately. Check that the following components are included in the box:

Packing List

Figure 1

☐ 1. The Computer Unit	☐ 4. Hand Strip
☐ 2. Belt	☐ 5. Power Cord
☐ 3. AC Power Adapter	☐ 6. Battery

Power Supply

The computer can be powered using either the built in battery or the AC Power Adapter plugged into any grounded AC power outlet.

Using the Battery

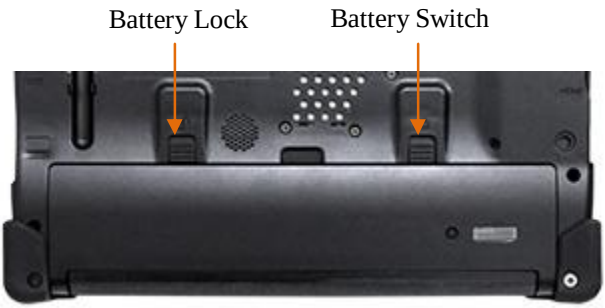
The primary source of power for the computer is a Lithium-Ion battery pack. The battery pack will first need to be installed on the backside of the computer. After following the battery installation instructions below, plug the AC adapter into any electrical outlet and the computer will begin recharging immediately. In the future, you should not have to access the battery pack unless you wish to replace it with a fresh one.

Note:

1. The Battery LED lights green when charging and will turn off when the battery is fully charged.
2. When charging the first time, it is recommended that the battery be allowed to charge for no less than eight hours.
3. It will take a longer time to complete the charging process, if the user is using the computer at the same time.
4. Charging temperature range is regulated between 0℃ and 40℃. Do not charging the battery out of recommended temperature range.
5. Do not discharging battery below 10 % level, It is recommended charging the battery within 3 months,

■ **To install and remove the battery pack:**

Using the Power Switch to power down the computer.



■ **Installing the Battery**

Turn the lock knob to Unlock position and gently put the batteries into the battery bay. Then, turn the lock knob to Lock position.

■ **Removing/Replacing the Battery**

Turn the lock knob to Unlock position and Turn the switch gently take out the batteries. Carefully lift the batteries out.

■ **Battery Power Indicator**

Press the battery status switch to display the capacity of the battery.

Caring for the Battery

- Do not heat, tamper or place the battery in water or near a fire.
- Do not subject the battery to unusual forces such as hitting it, stepping on it or dropping it.
- Do not attempt to open or service the battery pack.
- Only replace the battery with the same model or one of compatible design.

Using the AC Adapter

When connecting the computer to external power:

1. Plug the DC power cord into the DC jack on the computer.
2. Plug the 3-prong AC power adapter cord into a grounded electrical outlet.

Use the AC adapter to power the computer or recharge the battery when it is low.

Caring for the AC Adapter

- Be sure to only use the AC adapter that comes provided with this product or a compatible option from the manufacturer. Other adapters may cause damage to the computer and will not be covered under the warranty.
- Grasp the adapter plug and not the cord, when unplugging the adapter from an electrical outlet.
- If the power cord becomes damaged (exposed or frayed, etc.), replace with a new AC adapter. Using a damaged cord may cause an electrical shock and may result in fire.
- Power off and unplug the AC adapter from the computer before unplugging it from the electrical outlet.

The Stylus Pen

The stylus pen emulates all of the functions of a standard mouse and can be effortlessly used in place of a mouse and a standard keyboard. The stylus pen tucks into a designated holder on the lower left side of the computer.

Performing Mouse Clicks and Other Procedures with the Stylus Pen

To select an item or open a menu on the screen as you usually left click on an external mouse:

- Tap the item or menu with the tip of the stylus pen

To double-click an item on the screen as you normally double click an external mouse:

- Tap the item twice with the tip of the stylus pen. (You need to lift the stylus pen from the screen quickly between taps.)

To select an item as you normally right click on an external mouse:

- Press the tip of the stylus pen on the item and hold it until the pop-up menu appears, then tap the choice.

You can also use the stylus pen to write characters, symbols and draw pictures using additional handwriting software, for example, Windows XP Painter.

The five basic stylus pen operations and their external mouse equivalents can be quickly referenced in the table below:

Stylus Pen	External Mouse
Point	Point
Tap	Click
Double-tap	Double-click
Tap and hold	Right-click
Drag	Drag

For Optimal Performance from the Stylus Pen

- Hold the stylus pen in the same way that you would hold a pen or pencil when writing on paper.
- Hold the computer securely when mobile and using the stylus pen.
- Lift and tap the stylus pen quickly between double taps. Avoid using the stylus pen to push the computer buttons.
- For the most reliable operations, hold the stylus pen and tap vertically, perpendicular to the LCD display.

CHAPTER 2

System Overview

This chapter contains six illustrations, highlighting each external component and its respective functions.

Chapter Preview:

- Front view of the Computer
- Right side view of the Computer
- Left side view of the Computer
- Top view of the Computer
- Bottom view of the Computer
- Rear view and Build In Back Stand

Front View of the Computer

- **8 inch TFT (1024x768) LCD Display with Touch Screen Control Panel:**

Data can be entered the computer module using the stylus pen or a soft/USB/wireless keyboard. A soft keyboard can be located by tapping the keyboard icon in the bottom right on the desktop. Data can also be entered via a USB keyboard plugged into the USB port on the right side of the computer. The computer's USB ports support most USB keyboards and pointing devices.

- **RFID Device :**

The HF RFID Reader device is a communication device which includes complete circuits to achieve reading from and writing to the RFID tag. It conforms to various industry standard RF protocols of NFC.

- **Microphone:**

Effortless input of monaural sound recording.

- **2 M CMOS Camera :**

The build-in front 2M pixels CMOS Camera supports video applications for all media software. The user can make a video communication in the network.

- **Power Button:**

The computer Turn On / Off

- **Barcode On/Off**

The button provide a Trigger function for Barcode Scanner

- **Hot Key**

These 4 quick access buttons are used for navigating applications in the Microsoft Windows 7 environment (or relevant OS) and to setup the System BIOS Utility in DOS mode (alternative function).

- **Status LEDs:**

LED Indicator	Relevant Component	Description
Orange (Flashing)	Hard Drive	Disk Accessing
Green (Off)	Battery	Battery Available
Green (Solid)	Battery	Battery Charging
Blue (Solid)	Power	System Powered On

- **Fingerprint:**

  The device is virtually immune from attacking of fake finger. It can self-calibrate each sensor's output signal for different skin conditions like sweaty, scarred and dry, to be an excellent image quality.

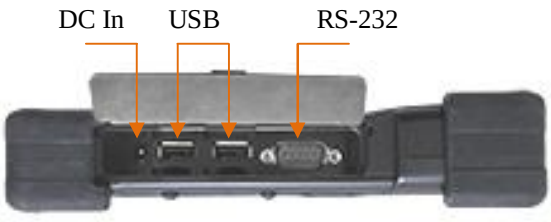
- **The Brightness Adjustment**

  On MCU-base programmable controller with capacitance sensors, the user can adjust the screen brightness with fingers directly.

- **Rubber Corner**

  The Rubber Corner provides a protection of falling down and related damages.

■ Right Side View of the Computer



■ **DC-in Jack:**

Plug the DC (Direct Current) end of the AC Adapter into this jack for external power and battery recharging. Before plugging in the power cord, you must first verify that the external power voltage is appropriate for your geographical area.

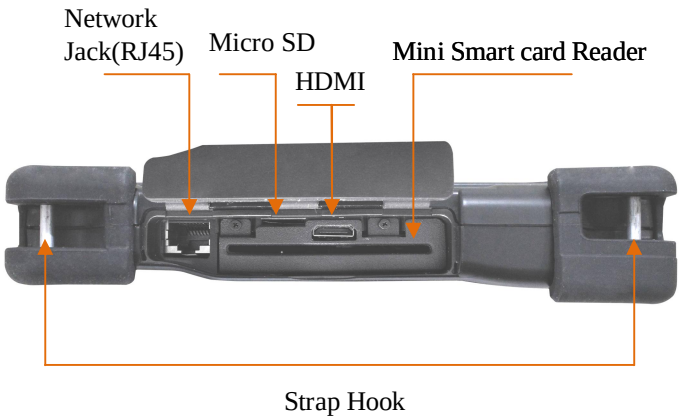
■ **USB 2.0 Ports:**

Permits hot plugging of USB peripheral devices to the computer. The USB ports support most USB mouse and keyboard devices.

■ **RS-232 Port:**

Offer an interface connecter of RS-232 that extended application of instruments for industrial use.

Left Side View of the Computer



- **Network Jack (RJ45):**

Interfaces with an Ethernet 10/100/1000 Mbps Base-T network connection.

- **HDMI :**

The High Definition Pictures can be transmitted to display from computer with the HDMI cable.

- **Mini Smart Card Reader: (optional)**

This device can read a various data include ATM card for business.

- **Micro SD**

Micro Secure Digital (SD) Card Slot

- **Strap Hook:**

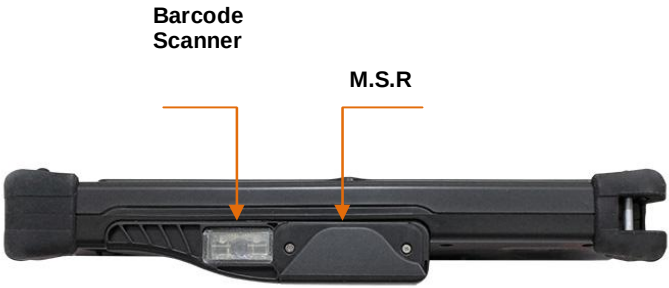
The user can grasp the machine by using the hand strip,

Bottom View of the Computer

- **Docking Port：**

  The extended multi-function included: the battery charger port, the USB ports supporting most USB mouse and keyboard devices, RJ-45 Internet port, RS-232 port, DC-In Jack, Microphone and Headphone.

Top View of the Computer



- **Barcode Scanner: (optional)**

  Omni directional bar code reading.

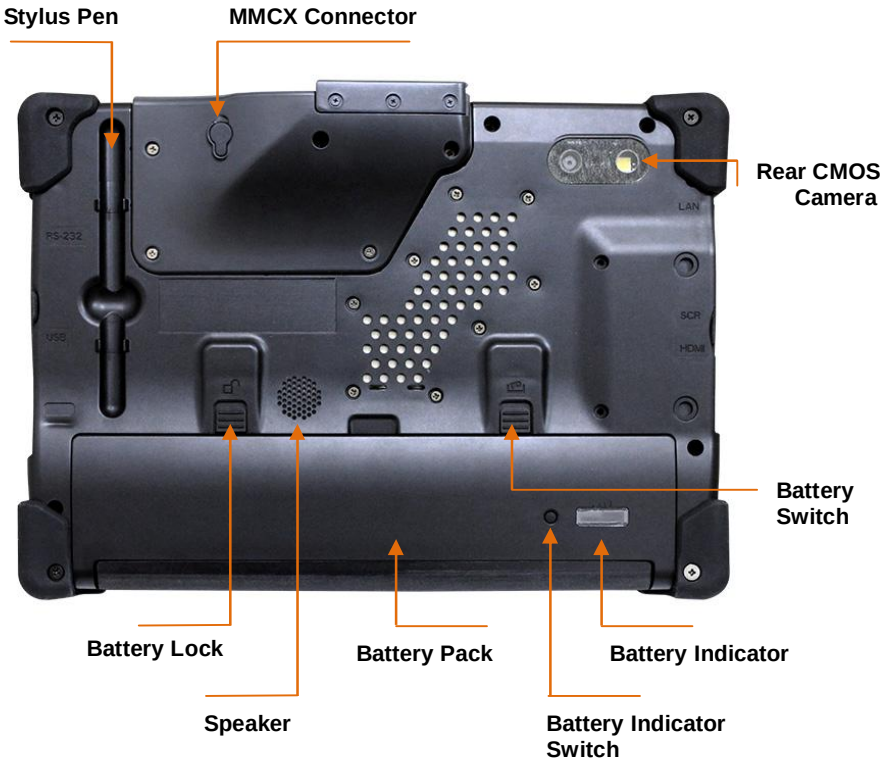
  Scan rate of up to 200 scans per second in linear emulation mode or 56 scans per second in Omni directional mode.

  Fully compatible with Intermec's family of decoded engines.

- **MSR**: **(optional)**

  The reader delivers superior reading performance with the ability to encrypt sensitive card data.

Rear View of the Computer



- **Stylus Pen:**

A stylus pen is used to activate the touch screen display and functions in the same way as an external mouse. The stylus pen is partially visible from the left side of the computer and can be located by pulling it from its secure housing. Only use the tip of the stylus pen when interacting with the LCD display to prevent damage to the display surface.

- GPS: (optional)

Support 20-channel GP

- **Rear CMOS Camera: (optional)**

The build-in 5M pixels CMOS camera module supports auto reverse function. Images can be captured and disseminated instantaneously.

- **Internal Speakers:**

The computer's built-in a single speaker support audio applications for all media software. Volume and equalizer control can be adjusted via the OS or additional multimedia application software. Sound will mute when headphones are detected.

- **Battery Pack:**

A n Internal battery one cell DC 3.7V/ 920 mAh support hot swap under S3 state

A 6-cell 6200mAh removable Lithium-Ion battery pack comes standard with the computer. Each cell comes equipped with short circuit, over-charge, over-discharge, over-current and abuses protection.

- **Hand Strip:**

To adjust the strip length for your convenience use.

CHAPTER 3

Protecting & Maintaining

Chapter Preview:

- Caring for your Computer
- The System BIOS Utility
- Configuring DRAM, HDD and SIM Card
- Connecting to a Local Area Network
- Adjusting the Resolutions for the Computer's Display and an External Display

Caring for Your Computer

To guarantee a long life for the computer and to ensure it functions optimally, pay particular attention to the following recommended maintenance guidelines.

Routine Care

Follow these guidelines to keep the computer working properly:

- Do not attempt to disassemble or modify the computer in any way.
- Do not place anything on top of the device or its LCD display to prevent damage to the screen.
- Avoid using and storing the computer in locations where static or electrical interference can damage in the internal components.
- Avoid using and storing the computer in locations exposed to extreme temperature fluctuations, likely condensation, or direct sunlight.
- Keep the device away from moisture such as exposure to liquids or precipitation.
- Only operate the device with the battery pack installed, even when using external power. This ensures the computer will have the sufficient power to maintain and save data when disconnected from the external power source.
- Store the device in its docking station when not in use.

Caring for the Battery

- Do not heat, tamper or place the battery in water or near a fire.
- Do not subject the battery to unusual forces such as hitting it, stepping on it or dropping it.
- Do not attempt to open or service the battery pack.
- Only replace the battery with the same model or one of compatible design.

Caring for the AC Adapter

- Be sure to only use the AC adapter that comes provided with this product or a compatible option from the manufacturer. Other adapters may cause damage to the computer and will not be covered under the warranty.
- Grasp the adapter plug and not the cord, when unplugging the adapter from an electrical outlet.
- If the power cord becomes damaged (exposed or frayed, etc.), replace with a new AC adapter. Using a damaged cord may cause an electrical shock and may result in fire.
- Power off and unplug the AC adapter from the computer before unplugging it from the electrical outlet.

Caring for the Touch Screen Display

- Never spray liquids of any kind directly onto the display screen or allow excess liquid to drip into the device.
- Never place anything on the display screen that could cause damage to the LCD display, for example, drinks and food.
- Never scratch the surface of the LCD display with any sharp or damaging objects.
- Avoid exposing the computer to direct sunlight or excessive ultraviolet radiation for an extended period of time.
- To clean the exterior of the device, wipe the screen and the housing with a soft, damp cloth moistened with water. Never use soap or other cleaning products on the LCD screen. It may discolor the outer coating and damage screen visibility.

Adjusting the Video Resolution

- **Changing the Video Resolution of the Computer**

1. Choose one of the two options to open the Display Properties dialog box:
   1.1. Click the right button of the mouse on the desktop and select *Properties* from the menu. **or,**
   1.2. Click the Start button and select Control Panel. Double click the Display icon.
2. Select the *Settings* tab. Select the *Advanced* option.
3. Select the *Adapter* option. Select the *List All Modes*.
4. Confirm the desired display mode (ex. 1024x768) True Color (32 bits)/ 60Hertz).

CHAPTER 4

Specifications & Software

Chapter Preview:

- Specifications and Standard Features
- Software

Specifications and Standard Features

Processor

INTEL Atom processor Dual Core N2600 1.6 GHZ

Operating System

Microsoft® Window 7 (Embedded / Professional)
Option: Linux

System BIOS

Phoenix BIOS

Memory

1x204 pin DDR III SO-DIMM Socket support/ up to 2GB

Display

- 8-inch TFT (1024x768) LCD Touch Panel
- Simulation to 1024x768 by Hot Key
- LED Back Light / Sunlight Readable

Pointing Device

Touch Panel Screen and Stylus Pen Input Device

Storage

32G ~256GB Solid State Drive (SSD)

Wireless Connectivity

- Wireless LAN : IEEE 802.11b+g+n
- Bluetooth®
- 3.5G Module

WCDMA R99 : maximum data rate of 384 kbps

HSDPA : Downlink Category 8 (7.2 Mbps) or 10 (14.4 Mbps)

HSUPA : E-DCH data rates of up to 5.76 Mbps for 2 ms TTI (UE category 6) uplink

GSM R99 : Supports CS SMS

GPRS : CS schemes – CS1, CS2, CS3, and CS4

CDMA 1xEV-DO : High-speed peak data rates of 3.1 Mbps on the downlink and 1.8 Mbps on the uplink

CDMA1x : Supports up to 153.6 kbps data throughput on both forward and reverse links

EDGE : Downlink coding schemes – CS 1-4, MCS 1-9

Communication

- 10/100/1000 Mbps Base-T Ethernet LAN

CMOS Camera

- 2M/5M Pixels CMOS Camera Module
- Support Auto Reverse Function

RFID

13.56 MHz Mifare DES Fire Reader / ISO 15693 Reader

MSR

Encrypted MSR

Bar Code Scanner

Support 1D/2D bar code

Smart Card Reader

Operates ISO 7816

Fingerprint

Sensor Scan Area: 9.6 mm x 0.2 mm

Image size: 192 x 4 pixels

Image resolution: 508 DPI

Automatic image calibration

Brightness

Adjust by Slide S.W

GPS (optional)

- Support 20-channel GPS

Multimedia

- Internal microphone and single speakers
- External volume on/off controls via hot key setting

Battery

Internal one 1-cell 920mAh
External one 6-cell 6200mAh Removable Lithium-Ion Battery Pack. Short circuit, over-charge, over-discharge, over-current and abuses protected.

Power Supply

External AC Adapter (175g / AC Input 100~240V, 50/60Hz, 3 Pin Inlet / DC Output 16V, 4.0 A, DIM:107.7mm x 45.9 mm x 30 mm) includes Power Cord.

Included Accessories

Stylus pen, Hand strip, power cord, adapter and belt.

Interface

2x USB 2.0 Ports
Micro SD Card Port
RS-232 Port
HDMI Port
Ethernet (RJ45)
Microphone Build-in
Speaker
Docking Port
DC Power In
LED Status Indicators :

HDD LED	(Orange)	Flashing	–	Disk Accessing
Battery LED	(Green)	Off	–	Battery Available
		Solid	–	Battery Charging
Power LED	(Blue)	Solid	–	System Powered On

Mobility

Dimensions: 251mm x 181mm x 39.12mm
Warranty: ONE year limited warranty parts.

Docking

USB 2.0 x 4
RJ-45
RS-232
DC-IN
Micro Phone
Headphone
VGA Port

Environmental Specifications

- Operating temperature : -10° to 40°C (14° to 104°F)
- Storage temperature : -20° to 75°C (-4° to 167°F)

Certification of System FCC ID / CE / EN060950-1 IP65 Energy Star

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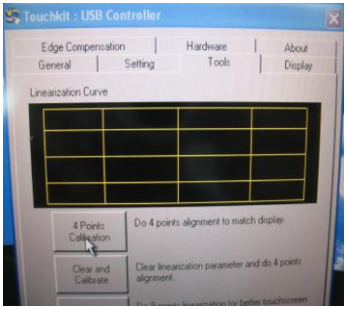
Software

Using The Smart Panel to Calibrate The Screen

Select the icon

on the desktop to launch the Calibration program and the following panels will appear.

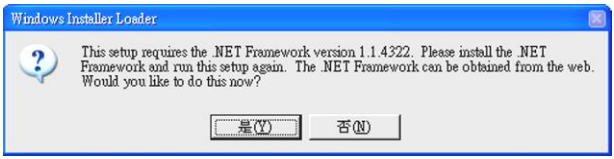


Select *Tool*, then select *4 Point Calibration.* A red flashing *X* will appear in the lower-left corner of the screen, then tap or click the *X* and hold it until the green *X* appears. Follow the same steps to finish the other three red *X* calibration.

Note: Make sure to calibrate the screen before your first screen rotation.

- **The First Installation**

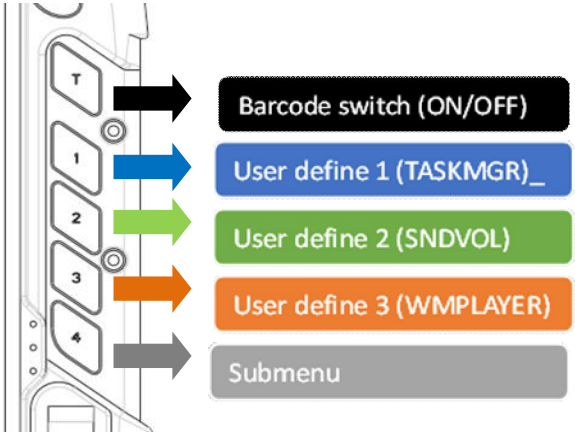
The following panel will appear if the user installs the software setup procedure oneself. Users have to install Microsoft .NET Framework before the first installation of Hot Key & Smart Panel Utilities.



Select “Yes” to install Microsoft .NET Framework immediately or users can download Microsoft .NET Framework from Microsoft website later.

Using The Front Panel Hot Key Utility

Please refer to the following descriptions for each of all 5 hot keys.



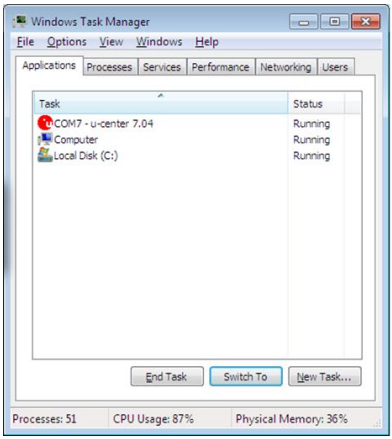
- **Key T :**

  A dedicated button to enable / disable Barcode function.

- Key 1:

The defaulted key function is to launch “Windows Task Manager” application to manage your applications.

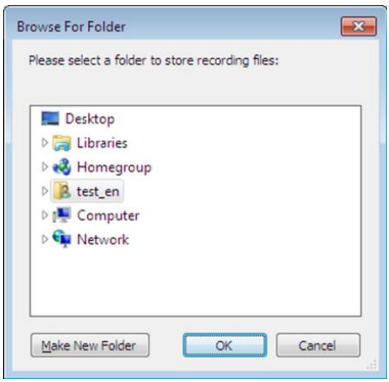
The user is able to redefine the key function.



- Key 2:

The defaulted key function is to launch “Cap Sound” application to enable / disable audio recorder.

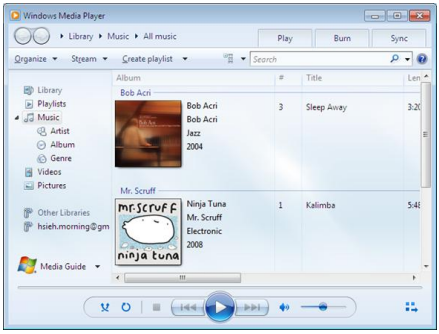
The user is able to redefine the key function.



- Key 3:

The defaulted key function is to launch “Windows Media Player” application to play music or video.

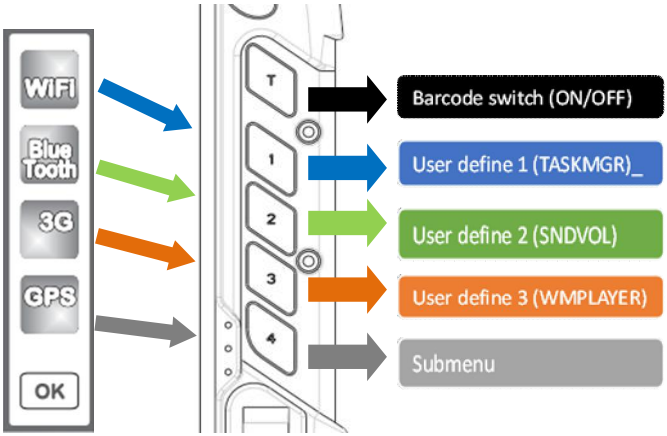
The user is able to redefine the key function.



- Key 4:

Press Key 4 to launch submenu function. The “submenu bar” as the following will be displayed on the desktop.

The statuses of the communication capacities will be displayed on the submenu bar. Key 1, Key 2, Key 3 and Key 4 are endowed with different functions when the “submenu bar” was triggered.
Please refer to the following descriptions.



Click WiFi icon or press Key 1 to enable / disable the wireless function.

Click Bluetooth icon or press Key 2 to enable / disable the bluetooth function.

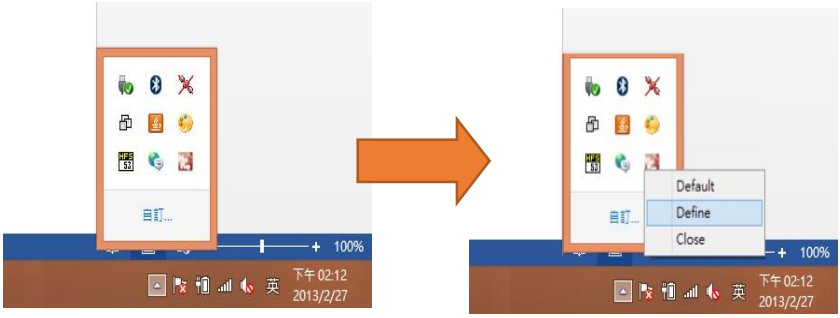
Click 3G i con or press Key 3 to enable / disable the 3G function.

Click GPS i con or press Key 4 to enable / disable the GPS function.

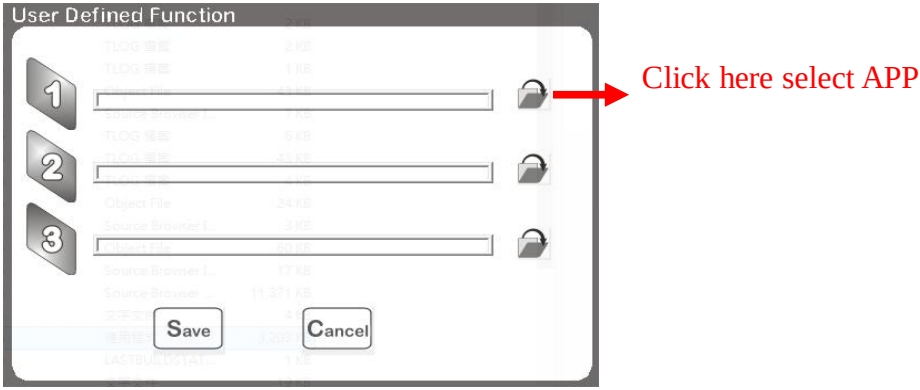
Click OK icon or wait for 3 seconds to Exit.

■ Define the Functions for Hot Key Utility

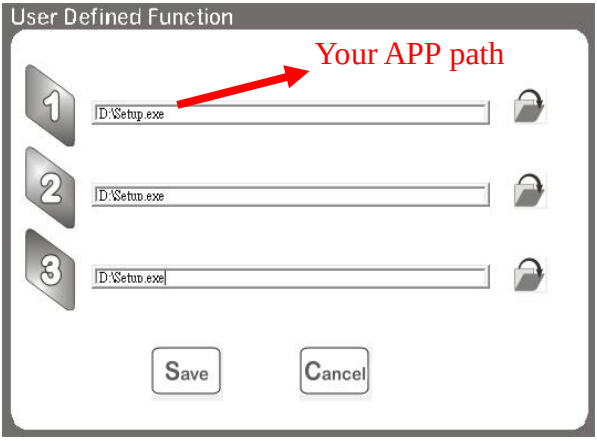
1. Right-click the “Hot Key” icon in the Windows system tray, then select “Define” to launch the “User Defined Function” application.



2. Type the correct path of the APP or browse the Folder icon to select your APP



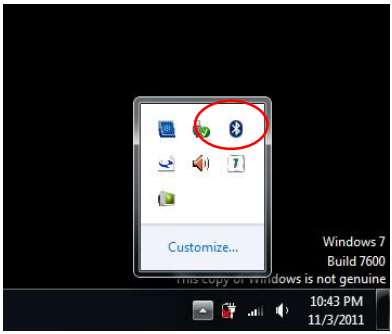
Make sure the defined APP path is correct.



Click “Save” to confirm your selections.

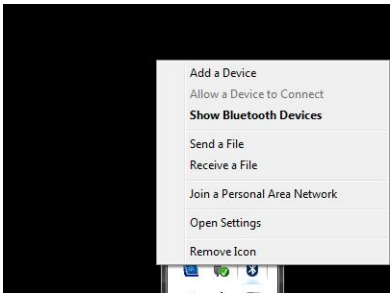
Using The Bluetooth Utility:

BlueSoleil allows the computer to wirelessly access a variety of Bluetooth enabled digital devices, such as cameras, mobile phones, headsets, printers, and GPS receivers. Users can also create networks and exchange data with other Bluetooth enabled computers or PDAs.

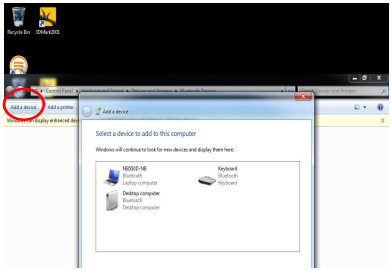


First : Turn on your Bluetooth device

1. To launch the Blue Tooth icon (Red circle) from the desktop.

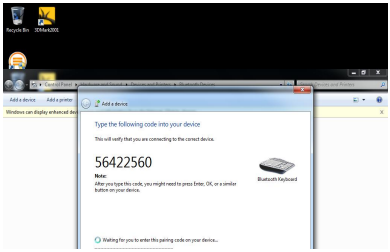


2. Select “Show Bluetooth Devices”.

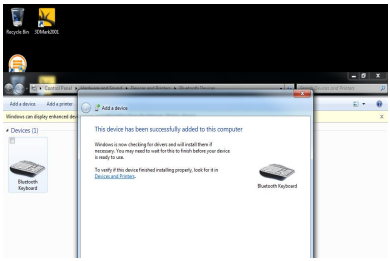


3. Select “add device“ (Red Circle).

Some blue tooth devices were found and listed out.



4. Select “Blue tooth Keyboard“ or other devices.
5. Type the number or password for configuration.



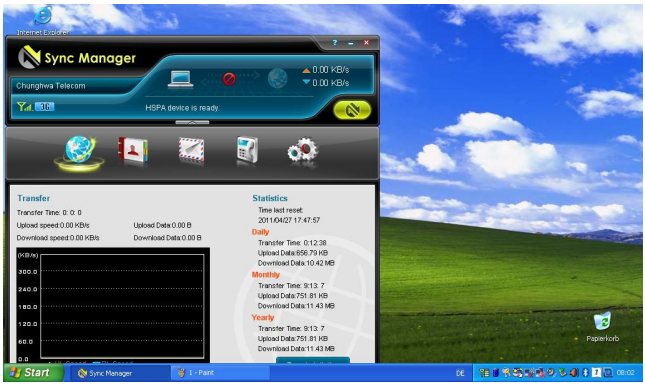
6. Selected Blue tooth device has been successfully configured with the computer.

Making a 3.5G Connection and Disconnection

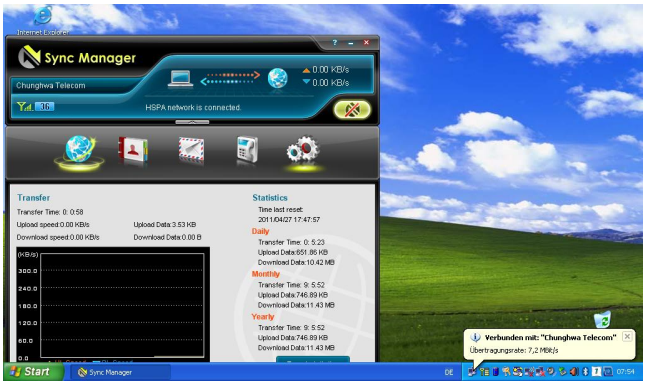
Select *Start Menu -> All Programs -> Sync manager -> Connection Manager Utility -> Connection Manager* to launch the program. The system will launch the program automatically after booting the computer.

- **Connection**

  Select <CONNECT> to make a connection.



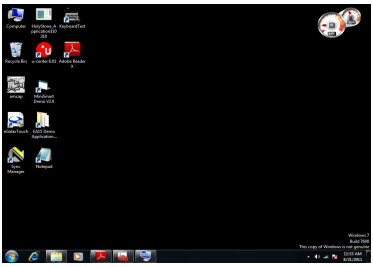
Connected the internet



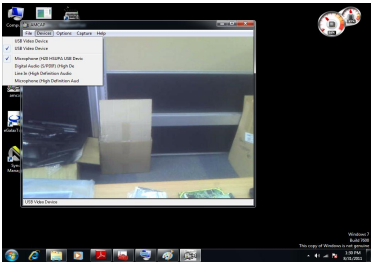
- **Disconnection**

  1. Select <DISCONNECT> to terminate the connection.
  2. Select <Yes> to confirm the disconnection.

Using the CMOS Camera

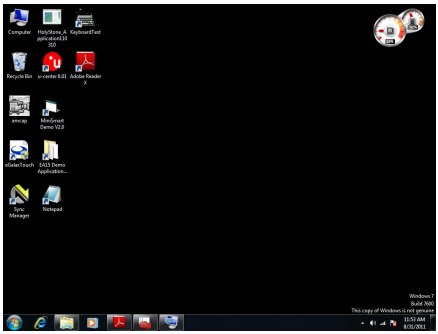


1. Select " AMCAP" ICON

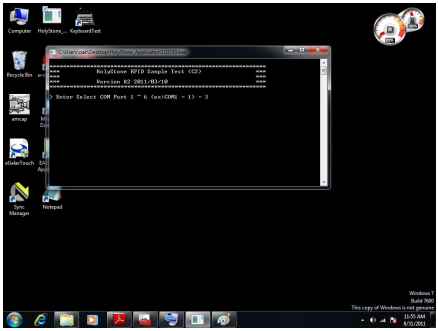


2. Select "device" and "USB Video device". The first bar for the front camera and the second bar for the rear camera.

Using the RFID

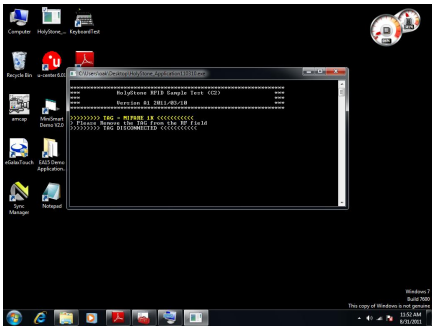


1. Select “Holy Stone” ICON



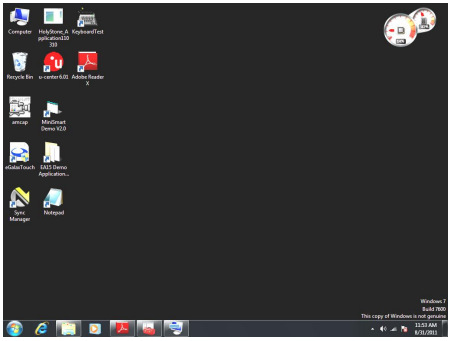
2. Type “3” for the Select COM Port.

3. Put your RFID card close to the RFID Sensor.

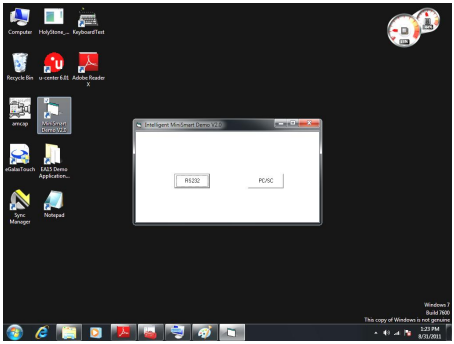


The message “TAG = MIFARE 1K” will be displayed, if the computer accepts the RFID card.

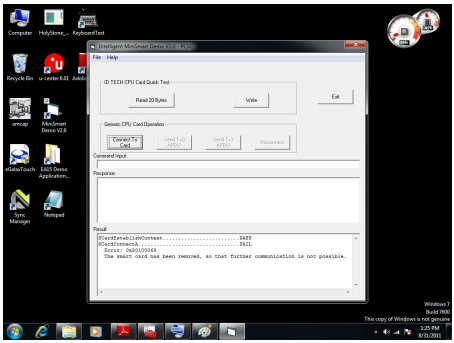
Using the Mini Smart Card



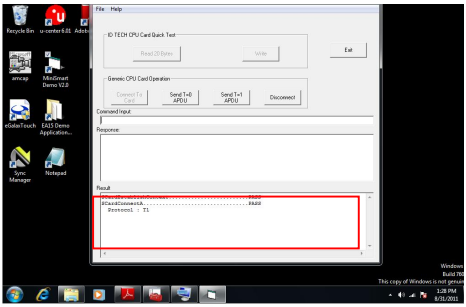
1. Select the “Mini Smart” icon.



2. Select the “ PC/SC ” button.

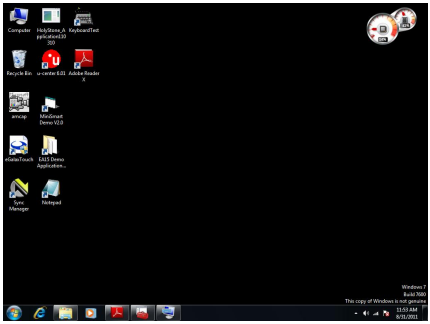


3. Insert the Mini Smart Card into the slot and press the “Connect to Card” button.

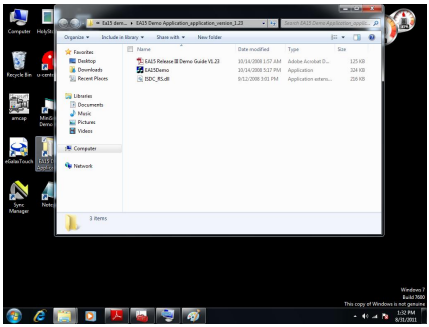


4. The detail information will be displayed on the Result dialog box.

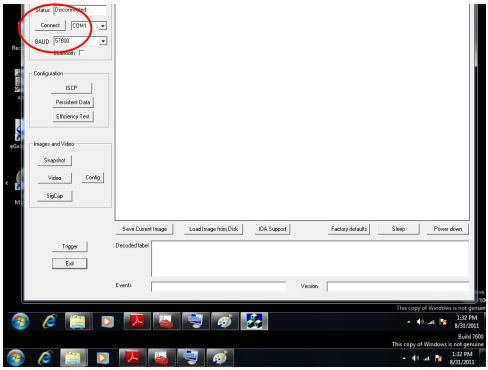
Using the Bar code Scanner



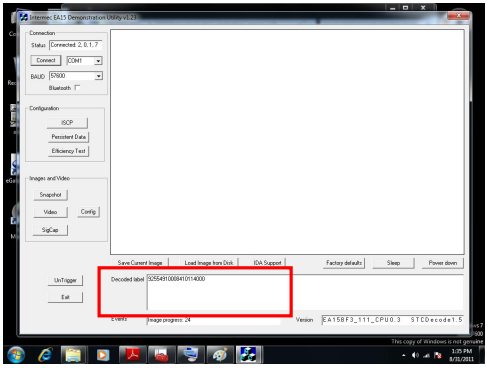
1. Select the “EA15 Demo” icon.



2. Select the “ EAISDemo”.



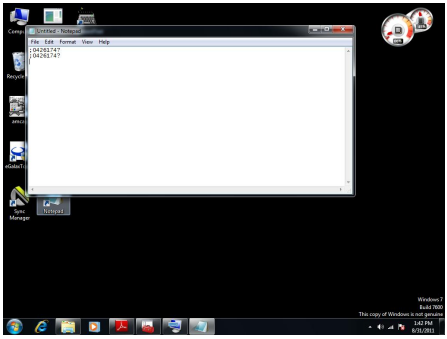
3. Press the “Connect” button and the status information will be displayed out.



4. Press the “T” Hot Key to enable the Bar Code Scanner.

5. Scan the Bar Code Stick and the detail information will be displayed on the “Decoded Label” dialog box.

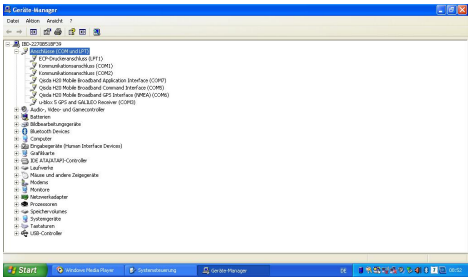
Using the MSR



1. Select the “NotePad” icon.
2. Insert the Cash Card or ATM Card into the MSR slot.
3. The information will be displayed on the screen.

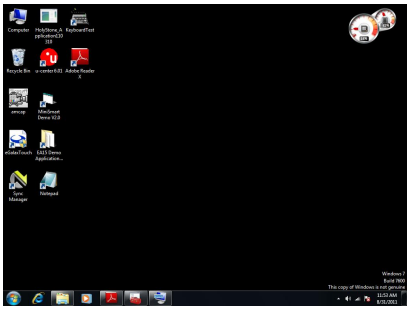
Using The GPS

Please disable the Bar Code Scanner and follow the steps below.

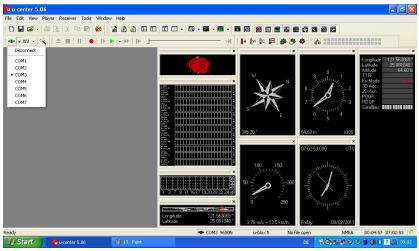


1. To Confirmed the GPS COM port number at the device manager.

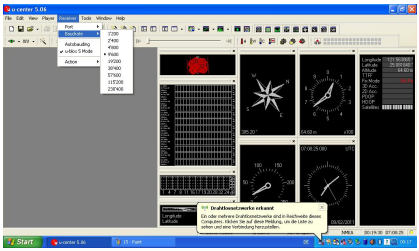
(Path: start / Control pad / System / Hardware / Device Manager / COM & LTP)



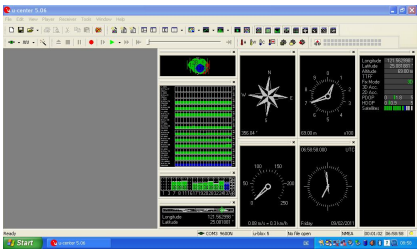
2. Select the “U-Center 6.01” ICON.



3. Select COM3.



4. Select the Baud Rate.



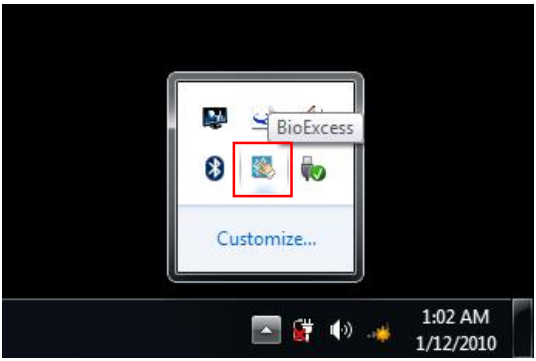
5. Receive the Satellite Channel.

Using the Brightness Adjustment

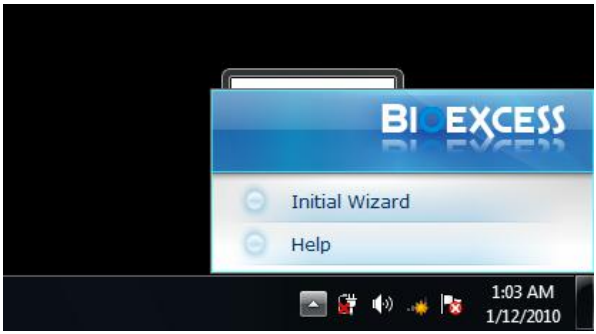
The user can adjust the screen brightness with fingers while the computer gets into the O.S. status. On the screen, to slide fingers from left to right or right to left to change the screen brightness.

Using the Fingerprint Function

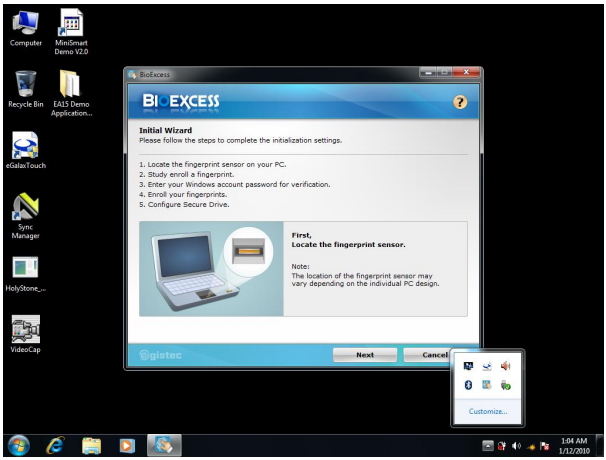
Click the delta icon in the Windows system tray, then Click Fingerprint icon (BioExcess)



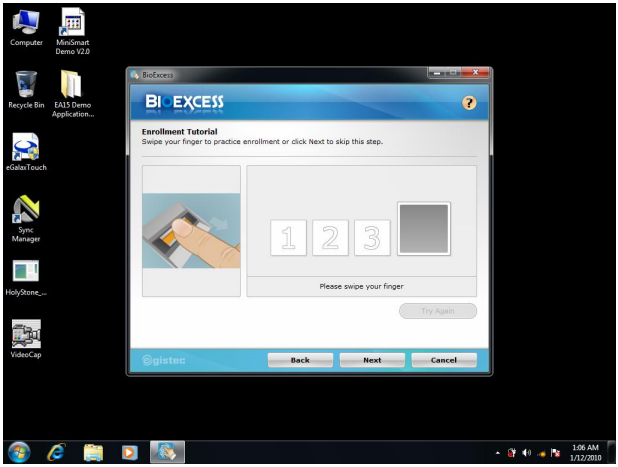
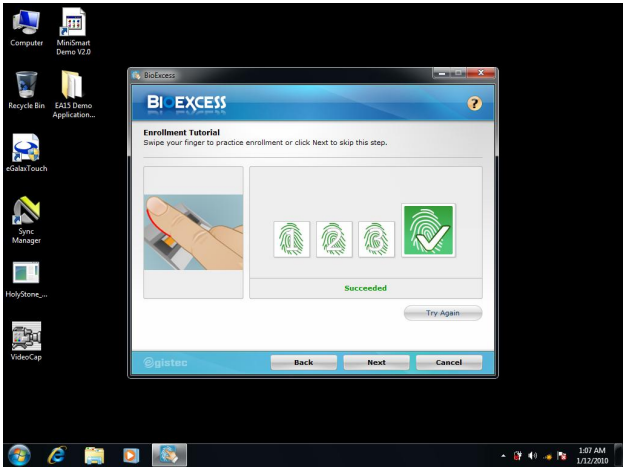
Select “ Initial Wizard “ bar



Click 【Next】



To swipe your finger on the fingerprint device for the enrollment.



Repeat 2 times.