

POS300

User Guide



Getting started

Safety Precautions



For your security and to prevent damage, please read the following safety instructions carefully. Failing to follow instructions marked with this symbol may cause personal injury and even fatality.



Do not block the ports(holes), Vents, etc, of the system and do not insert objects.
Damage to a component within the system may cause electric shock or fire.



Do not touch the system plug or power cord with wet hands. There is a danger of electric shock.



Do not exceed the standard capacity(Voltage/current) of a multiplug or power outlet extension when using it for the product. There is a danger of electric shock or fire hazard.



Do not unplug the power cord by pulling the cable only. If the cord is damaged, it may cause electric shock.



Connect the power cord to the AC adaptor firmly. Use only the AC adaptor supplied with the product. Otherwise, there is a danger of fire due to an incomplete contact.



Do not use the system in a humid location such as a bathroom or sauna.
Please use the system within the recommended temperature and humidity range(10~32°C, 20~80% RH).



Avoid direct sunlight when the system is in an air-tight location such as inside a vehicle.
There is a danger of a fire hazard. The system may overheat and also present opportunity to thieves.

Before You Start

■ Thank you for purchasing a product of HANASIS.

- This device complies with part 15 of the FCC Rules. (Class A digital device)
- Some equipment nomenclature and abbreviations used here may differ from that contained in other HANASIS publications.
- The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
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Introductions

Specifications and Optional

CPU and OS supported

CPU	Intel® Celeron® J1900 2.0GHz (Quad Core)
OS Supported	Microsoft® PosReady7 / Win 10 IoT Ent LTSB / Linux

Memory Device

Memory	2GB DDR3 SoDIMM (up to 4GB)
Hard Disk Drive	SATA-III 500GB ↑, SSD 64GB ↑

I/O Port

Serial	3ea
VGA	D-SUB x 1ea
USB	USB 2.0 x 5ea
LAN	10/100/1000Mbit x 1ea
Audio	Line-Out, Mic-In
P/S2	Keyboard x 1ea

Environment & Mechanical

Dimension	350 x 68 x 320 (mm)
Weight	4.3Kg(F type)
VESA Mounting	VESA(75mm) Compliance
Fanless Operation	Yes

Display and Touch screen

Graphics chipset	System on Chip
Display	15" TFT LCD (1024 x 768, 4 : 3, 250 cd/m2)
Touch screen type	5-wire Resistive Touch

Power Supply Unit

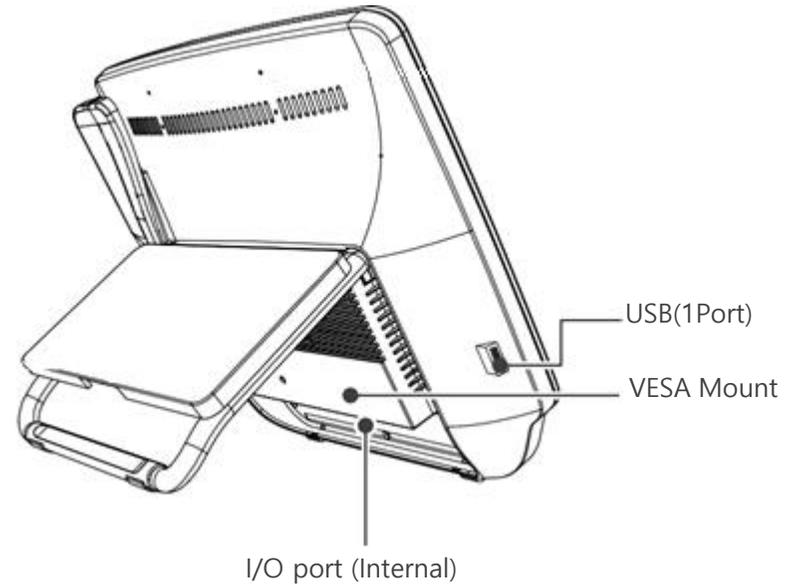
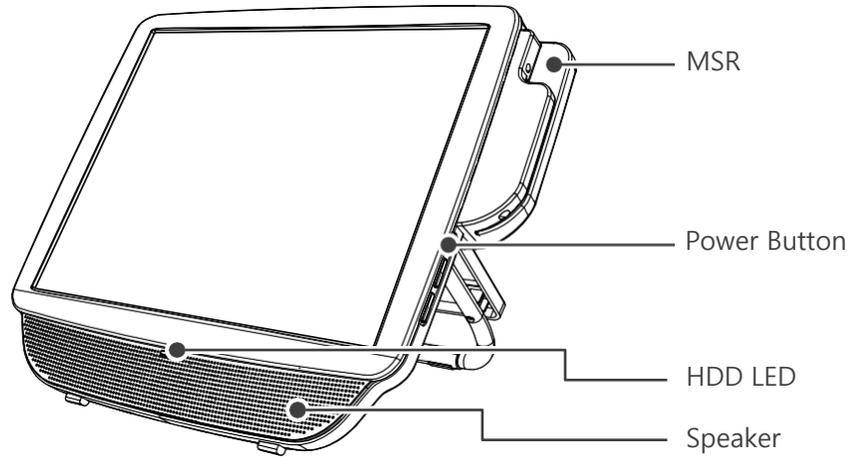
Power Adaptor	External adaptor DC12V 5A (60W) Input AC 100~240V/50~60Hz, DC 12V/5A
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Optional

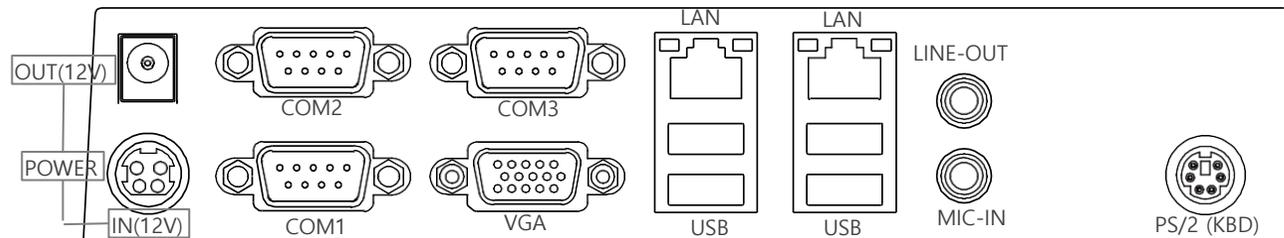
Magnetic Stripe Reader	ISO Track2 / Track 1&2 / Track 1&2&3
Wireless Lan	802.11n, 150Mbps ↑ (Internal USB Module)
Wall Mounting	Tilt type, Fixed type
Speaker	Built-in Speaker 1W

Introductions

Overview



▷ I/O Port Layout



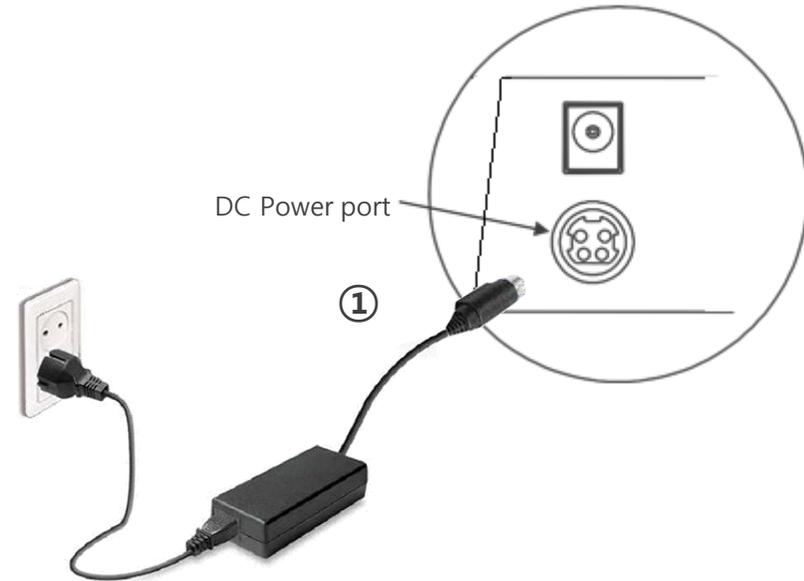
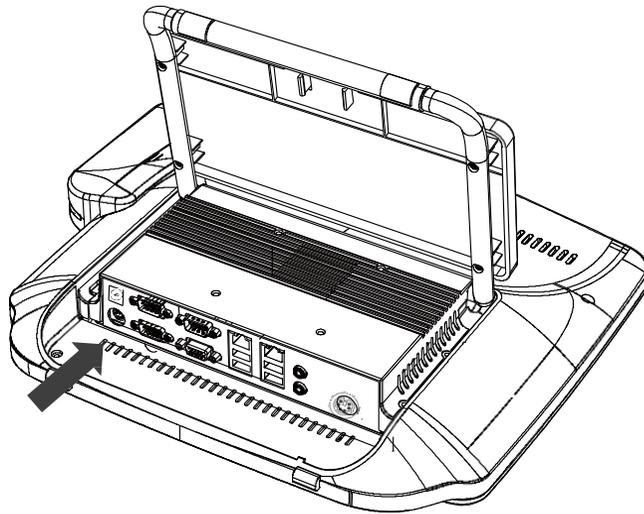
Using the system



Connecting DC Power Supply Cable



Connect the power cord to the AC adaptor firmly.
Use only the AC adaptor supplied with the product.
Otherwise, there is a danger of fire due to an incomplete contact.
Do not touch the system plug or power cord with wet hands.



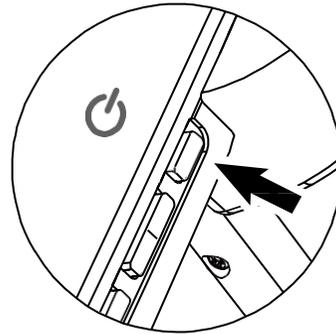
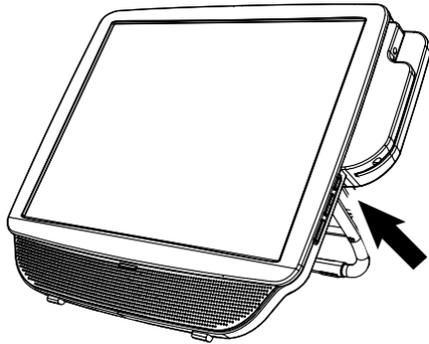
- ① Connect the Adaptor Cable from the System.

Using the system

Turning the System On and Off

Turning the system On

- ① Press Power button to turn the system on.



Power Button

Since the procedures to turn the system off may differ depending on the installed operating system, please turn the system off according to the procedures for the purchased operating system.

Turning the system Off

 Since the procedures to turn the system off may differ depending on the installed operating system, please turn the system off according to the procedures for the purchased operating system.

 Save all your data before clicking on Shut down.

- ① Save all your data before clicking on shut down.
- ② Click Start > Turn Off Computer to shutdown the system.



Using the system



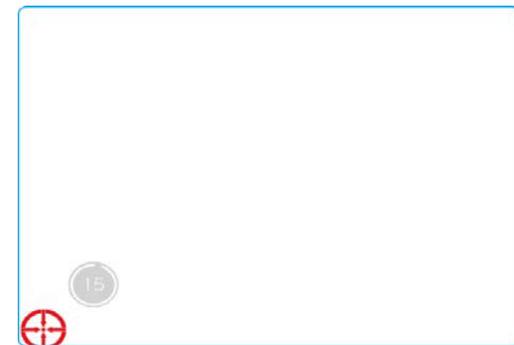
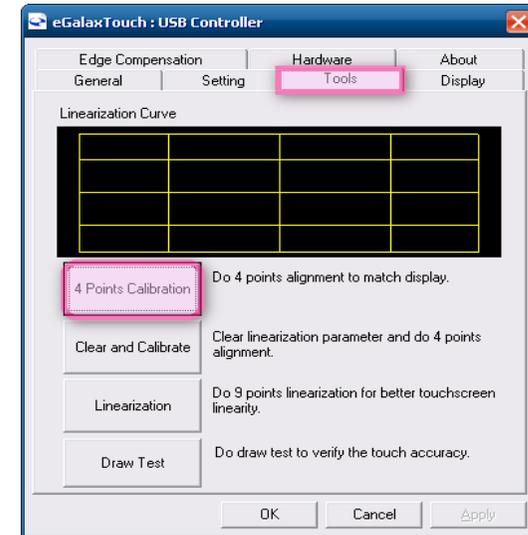
Touch Screen Calibration

When you use the touch screen for the first time or the pointer does not precisely match your touch, calibrate the touch screen in the 'eGalaxTouch'. The calibration process for the touch screen may differ depending on the operating system and may not be available in some operating systems. The following descriptions assume the Windows POSReady2009 operating system.



Do not apply a severe impact to the touch screen or press the screen with a sharp object such as a ball-point pen. This may damage the touch screen.

- 1 Click Start>All Programs>eGalaxTouch>Configure Utility
- 2 Click the 'Tools' tab and '4Points Calibration'
- 3 When the Calibration window appears, touch the point represented by the "+".
- 4 The "+" is displayed from the bottom left to the top left of the screen sequentially.
- 5 The touch screen input points are calibrated.



BIOS Setup

 The BIOS setup enables you to configure your system hardware according to your needs. Use the BIOS setup to define a boot password, change the booting priority, or add a new device.

- 1 Turn on the system.
- 2 When the booting screen image appears, press the key to enter the BIOS Setup.
- 3 After a moment, the BIOS setup screen appears.
(The items in the BIOS setup may differ depending on the product.)

```
CPU : Intel(R) Atom(TM) CPU N270 @ 1.60Ghz
Speed : 1.60 Ghz

Press DEL to run Setup
Press F12 if you want to boot from the network
Press F11 for BBS POPUP
The MCH is operating with DDR2-533/CL4 in Single-Channel Mode
Initializing USB Controllers ...
```

Main	This is a description about the basic specification of the system
Advanced	Using this menu, you can configure the major chipsets and additional functions.
Boot	This menu enables you to configure peripherals and booting related settings such as the boot priority.
Security	Used to configure security functions, including passwords.
Chipset	This menu controls the advanced features of the onboard Northbridge and Southbridge..
Power	Use this menu to specify your settings for power management.
Exit	Used to exit the Setup either saving the changes or not.

```
Aptio Setup Utility - Copyright (C) 2015 American Megatrends, Inc.
Main Feature Advanced Chipset Security Boot Save & Exit

BIOS Information
Project Version          ITX-J1900 0.01 x64
Build Date and Time     05/11/2015 15:44:11

CPU Configuration
Microcode Patch        82d

System Date             [Wed 05/13/2015]
System Time            [20:10:38]

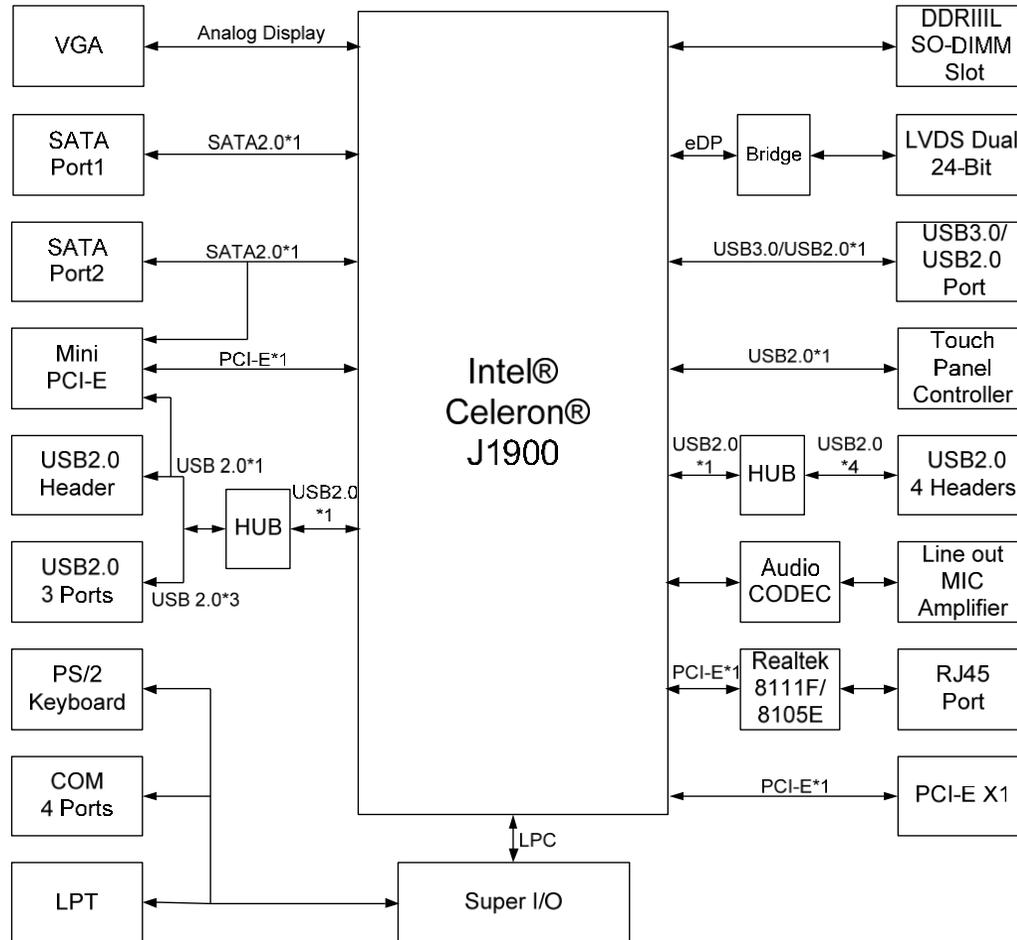
Access Level           Administrator

Set the Date. Use Tab to
switch between Date elements.

+/: Select Screen
F1: Select Item
Enter: Select
+/-: Change Opt.
F1: General Help
F2: Previous Values
F9: Optimized Defaults
F10: Save & Exit
F12: Print Screen
ESC: Exit

Version 2.17.1246. Copyright (C) 2015 American Megatrends, Inc.
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System Block Diagram



■ Recovery Solution (Optional) (Recovery program may vary depending on model)

● Backup

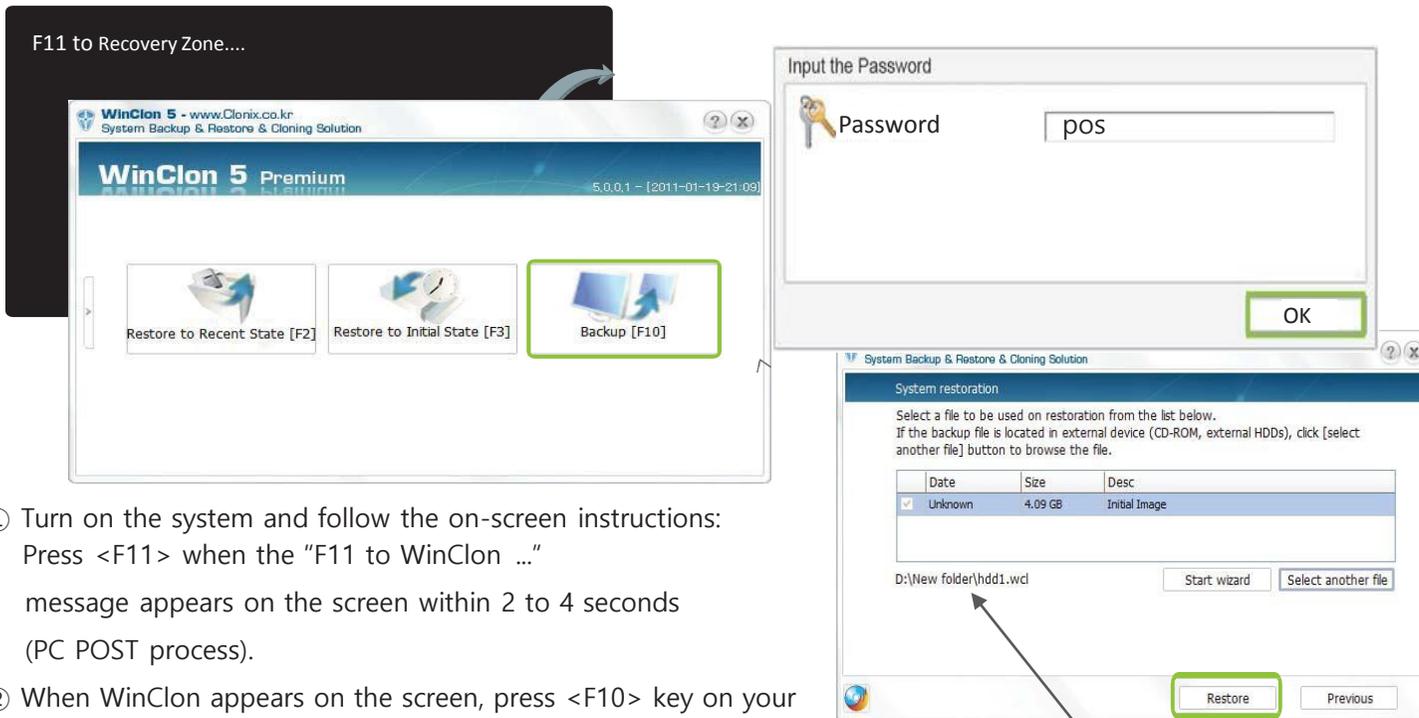


Back up your current Window user environment into restore field.

It is much easier to operate if you know where the data is being backed up.



Keyboard and mouse must be connected



① Turn on the system and follow the on-screen instructions:
Press <F11> when the "F11 to WinClon ..."
message appears on the screen within 2 to 4 seconds
(PC POST process).

② When WinClon appears on the screen, press <F10> key on your
keyboard or use your mouse to select "Backup".

③ After entering the password, press the <OK> button to continue backup. (Password: pos)

Location of backup image

● Restore



You can still recover quickly even if you are not able to boot from the OS.
Keyboard and mouse must be connected.



When you recover the Hard Disk, all the data in the system will be deleted.
Please save all important data in external storage before you start recovery.

The screenshot shows the WinClon 5 Premium interface. A black box at the top left says "F11 to Recovery Zone...". The main window has a title bar "WinClon 5 - www.Clonix.co.kr" and a subtitle "System Backup & Restore & Cloning Solution". Below the title bar, it says "WinClon 5 Premium" and "5.0.0.1 - [2011-01-19-21:09]". There are three buttons: "Restore to Recent State [F2]", "Restore to Initial State [F3]", and "Backup [F10]". A green box highlights the "Restore to Recent State" and "Restore to Initial State" buttons. A grey box titled "Input the Password" is shown to the right, with a password field containing "pos" and an "OK" button. Below the main window, there are two informational boxes: "WinClon" with an information icon and text "Completed restoration. System is going to be restarted." and an "Ok" button.

※ "Recover to Initial State" will restore to the factory default settings.
※ "Recover to Recent State" will restore to the most recent backup of Windows.

1. Turn on the system and follow the on-screen instructions: Press <F11> when the "F11 to WinClon ..." message appears on the screen within 2 to 4 seconds (PC POST process).
2. When WinClon appears on the screen, press <F2> or <F3> key on your keyboard or use your mouse to select "Recover to Recent State" or "Recover to Initial State".
3. After entering the password, press the <OK> button to continue restore. (Password: pos)