

HC-1021IR/1021P
Infotainment Terminal
User Manual



HC-1021IR



HC-1021P

Package Contents

HC-1021 series terminal.....	x1
Power adaptor.....	x1
Power cord.....	x1
I/O cable cover (including 2 screws).....	x1
User manual.....	x1
Recovery DVD.....	x1

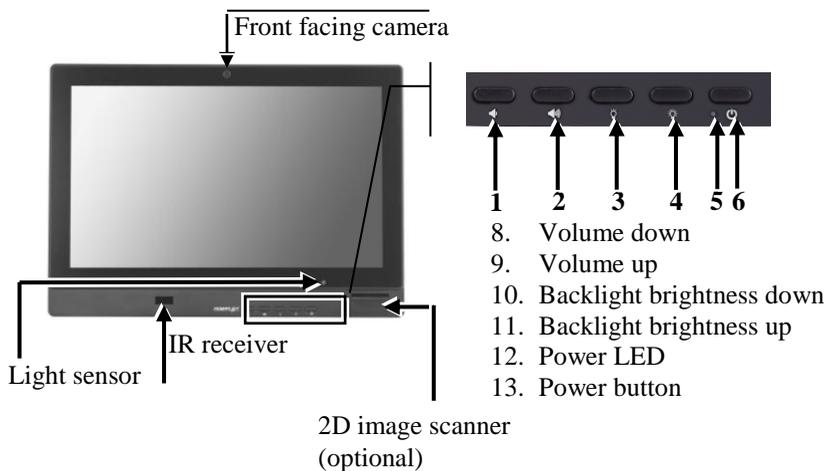
Views of the HC-1021 Series

Front View of HC-1021IR

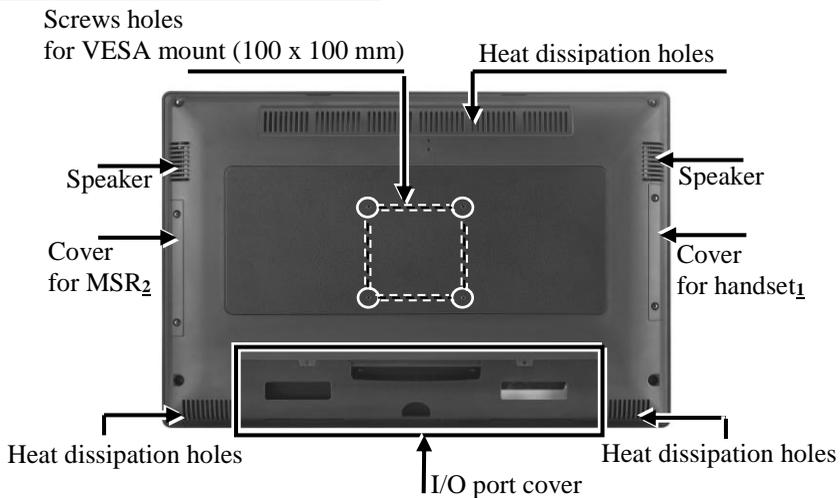


1. Volume down
2. Volume up
3. Backlight brightness down
4. Backlight brightness up
5. Power LED
6. Power button
7. Light sensor

Front View of HC-1021P

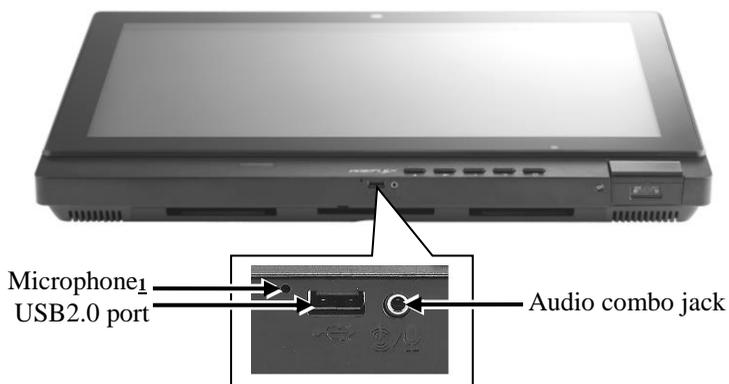


Rear View of HC-1021 Series



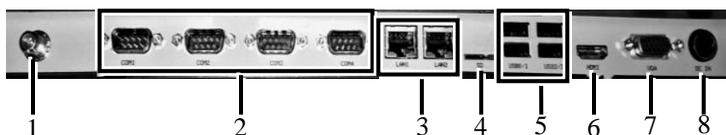
- Note:
1. Handset is optional and reserved before shipped.
 2. MSR is optional and reserved before shipped.

Bottom View of HC-1021 Series



Note: 1. The microphone is provided for HC-1021P ONLY.

I/O Ports on the I/O Plate



- | | | | |
|---|-----------------------------------------------------------------|---|------------------------------------|
| 1 | Coaxial connector
for cable TV tuner (optional) ₁ | 2 | Serial (DB9) port
(COM1 ~ COM4) |
| 3 | RJ45 LAN port | 4 | microSD card slot |
| 5 | USB2.0 port | 6 | HDMI port |
| 7 | VGA port | 8 | 12VDC-IN power jack |

Note: 1. The coaxial connector is provided for HC-1021P ONLY.

Connecting Power Adapter and I/O Cables

To have the terminal ready for operation, please connect the connector of power adapter and all of the connectors of required I/O cables respectively to the 12VDC-IN power jack and appropriate I/O ports. Please make sure that each of the cables is fully connected to each of the correct ports. Damages due to incorrect connection or orientation are not covered by product warranty!

Some cable connectors like the connectors of the COM or LAN cables have to be gently inserted until a click is heard. It is recommended that the I/O ports, such as COM port and VGA port, should be screwed after the I/O cable connectors are completely connected. And please make sure that each connector has to be connected to the right peripheral device in the right way.

CAUTION: On doing insertion or extraction of a cable connector, please always hold the connector head itself instead of pulling the cable wire. Doing this could damage the cables and ports, which is considered as an artificial damage and is not covered by the warranty.

Note: The COM ports of HC-1021 series do not supply power by default. To make the COM ports supply power, you can set up the COM ports through the dedicated settings listed in the table below.

	HC-1021 series	
	COM1/2/3/4	
	5VDC	12VDC
BIOS Setting	v	x
Jumper Setting	v	v

Installing Optional Peripheral Devices

Posiflex HC-1021 series can work with multiple optional peripheral devices, such as MSR, headset and the like.

Before installing an optional peripheral device, make sure that the system is powered off and the external power source is removed from the terminal to prevent electric hazard! Failure to follow the warning description will void the product warranty!

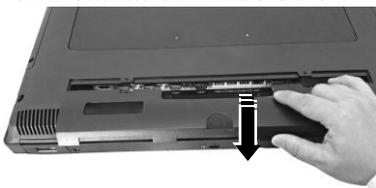
For the detailed instruction, refer to the each of the user manuals of the optional peripheral devices.

Installing a Cable TV Tuner Dongle (Optional for HC-1021P)

The TV tuner dongle is optional for HC-1021P ONLY.

To install the cable TV tuner dongle in your HC-1021P terminal, refer to the step-by-step guidance of installation made below.

1. Remove the I/O port cover.



2. Loosen and remove 2 screws on the cable TV tuner dongle cover. Then, remove the cable TV tuner dongle cover.



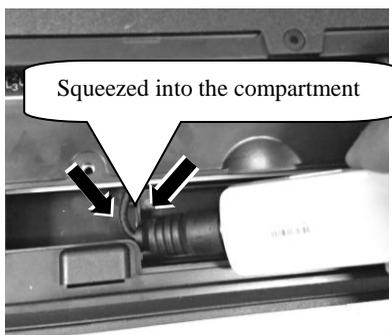
3. Determine to make the USB connector of the dongle be toward the right side.



4. Make the connector of coaxial cable extended from the terminal connect to the coaxial cable connect of the cable TV tuner dongle.



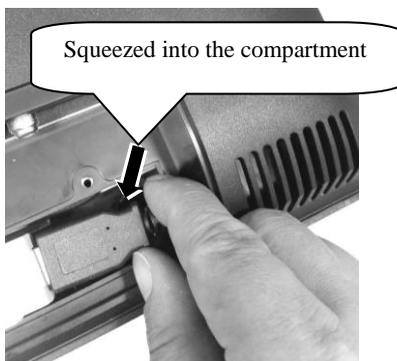
5. Squeeze the coaxial cable connected to the cable TV tuner dongle into the cable TV tuner dongle compartment of the terminal.



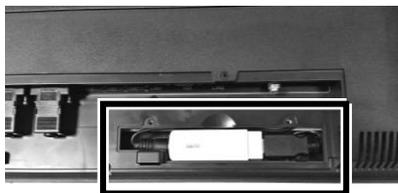
6. Make the male USB connector of the dongle connect to the female connector of the USB cable extended from the terminal.



7. Squeeze the USB cable connected to the cable TV tuner dongle into the cable TV tuner dongle compartment of the terminal.



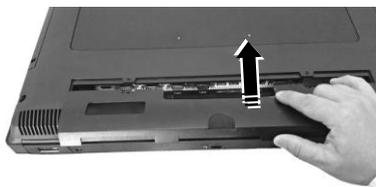
8. Determine that the cable TV tuner dongle is well mounted to the cable TV tuner dongle compartment of the terminal.



9. Place back the cable TV tuner dongle cover on the compartment of the terminal and fasten it with 2 screws.



10. Place the I/O port cover back for shielding the I/O ports of the terminal.

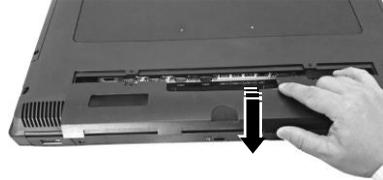


To install the dongle driver and the TV software utility, please refer to the quick installation guide of cable TV tuner dongle (H8300).

Connecting Power Adapter and I/O Cables

Before connecting power adapter and I/O cables to the I/O ports of the terminal, please route and arranging the cables. Here, refer to the following step-by-step instruction of cable routing and arrangement for the details.

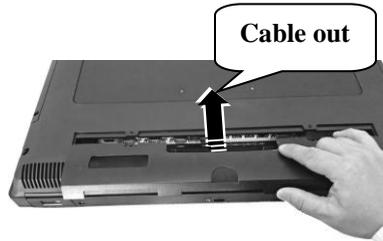
1. Remove the I/O port cover.



2. Connect the connector of the power adapter to the 12VDC-IN power jack of the terminal and I/O cables to the I/O ports of the terminal.



3. Cover the bottom I/O interface and gather the I/O cables to the cable arrangement area, as indicated by the arrow.



Mounting the HC-1021 Series on the Wall (Optional)

If you are a user of HC-1021IR provided with a scanner, you can mount the terminal on the wall by using the optional wall mount kit, SK-300, while if you are a user of HC-1021IR without any scanner, you can mount the terminal on the wall by using the optional wall mount bracket, WB5000.

If you are a HC-1021P user, you can mount the terminal on the wall by using the optional wall mount bracket, WB5000.

For detailed installation description, please refer to the installation guide of wall mount kit you purchase.

Powering ON the HC-1021 Series

To power on the HC-1021 series, just press the power button; to power it off, press and hold the button for 3 seconds.

Enabling/Disabling the Buttons

By enabling and/or disabling the buttons, you can use the functions of Auto Backlight Adjustment, Control Button Locking, and Power Button Locking.

Auto Backlight Adjustment

In the default condition, the backlight of the HC-1021 series must be adjusted manually.

To use the function of automatic backlight adjustment, refer to the following instruction.



Press once the Backlight Brightness Up and Backlight Brightness Down buttons at the same time.

After the Backlight Brightness Up and Backlight Brightness Down buttons are pressed once at the same time, the HC-1021 series will adjust its backlight automatically by detecting the ambient light.

To disable the function of automatic backlight adjustment, press once the Backlight Brightness Up or Backlight Brightness Down buttons.

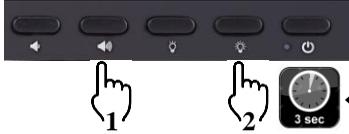


Press once the Backlight Brightness Up or Backlight Brightness Down buttons to disable the automatic backlight adjustment.

Locking the 4 Control Buttons

In the default condition, the 4 control buttons -- Volume Down, Volume Up, Backlight Brightness Up, and Backlight Brightness Down -- are for users to control.

To lock the 4 control buttons, refer to the following instruction.



Press the Volume Up and Backlight Brightness Up buttons **sequentially and then hold for 3 seconds.**

To unlock the 4 control buttons, refer to the following instruction.



Press the Volume Down and Backlight Brightness Down buttons **sequentially and then hold for 3 seconds.**

Setting the Power Button to “ON ONLY”

In the default condition, the power button is for you to easily power on or off the HC-1021 series. In order to avoid users from pressing the power button by mistake to make the system shut down accidentally, you can make the system stay “always ON” by locking the power button.

To lock the power button, refer to the following instruction.



Press the Volume Down, Volume Up, and Backlight Brightness Up buttons **sequentially and then hold for 3 seconds.**

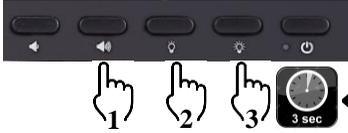
To unlock the power button, refer to the following instruction.



Press the Volume Down, Volume Up, and Backlight Brightness Down buttons **sequentially and then hold for 3 seconds.**

Back to the Default Conditions

To make all of the buttons return to default conditions, refer to the following instruction.



Press the Volume Up, Backlight Brightness Down, and Backlight Brightness Up buttons sequentially and then hold for 3 seconds.

When you successfully make all of the buttons return to default conditions, the 4 control buttons and the power button will be unlocked and the automatic backlight must be adjusted manually.

Power LED Indicator

There is a power LED indicator on the front side of the HC-1021 series. After powering ON the terminal, you can read the terminal operation status from the power status LED indicator. The LED status is described below.

LED	Status	Description
POWER	Solid blue	Terminal ON
	Solid orange	Power standby

Installing an Operating System

This product is highly professional equipment. Therefore, we do NOT encourage you to install any operating system into this machine without professional assistance. Posiflex Technology, Inc. shall not be responsible for any technical support to questions on this aspect. We suggest that you contact your dealer for OS installation.

Operating System Recovery

For the HC-1021 series main terminal preloaded with an operating system on HDD or SSD, Posiflex provides a recovery DVD shipped with the main terminal for the preloaded operating system. The system integrator shall take care of software restoration after the OS is recovered.

If you plan to recover your operating system, we do NOT encourage you to recover any operating system by yourself. Please contact your service center for operating system recovery.

Operation Environment

This terminal must NOT be operated in an environment with restricted ventilation. There must be at least 25 mm air clearance around any top or side ventilation holes with free flow of air around the unit at all times for system operation.

Specifications

	HC-1021IR	HC-1021P
System Configuration		
CPU	Intel Braswell Platform, supporting N3160 (Celeron) / N3710 (Pentium)processors (SoC)	
Memory	DDR3L SO-DIMM x 2 (up to 16 GB)	
Storage	2.5" SATA HDD or SSD / microSD card	
Power Supply	12V/80W	
OS Support	WIN 8.1 Industry (64bit) / WIN 10 IoT (32bit / 64bit)	
Display & Touch		
LCD	21.5" TFT LCD	
Resolution	1920 x 1080	
Touch	IR touch	PCAP touch with multi-touch support
I/O & Expansion		
Serial Port	Serial port (DB9) x 4	
USB Port	USB port x 5 (USB2.0 x 1 at front bottom side / USB2.0 x 4 at rear bottom side)	
LAN Port	LAN (RJ-45) port x 2	
Display Port	VGA port x 1 / HDMI port x 1	
Camera	N/A	Front facing, 5MP , auto focus
Audio	Internal 3watt speaker x 2 / Line-out/Mic-in (audio combo jack) x 1	
Microphone	N/A	Integrated MIC
Power	DC-in jack	
Antenna	N/A	Coaxial connector x 1
Hotkeys	1. Volume up + down 2. Brightness up + down 3. Power on/off	
Light Sensor	N/A	Yes, located on front bezel
Wireless	WIFI + BT (M.2 socket, 2T2R antenna) (optional)	
Indicator	Power LED indicator (power on/standby)	
Expansion Storage Slot	microSD card slot	
Mechanism	VESA mount 100 x 100	

	HC-1021IR	HC-1021P
Options		
Attachment	MSR: SA-105 / SA-305 / SA-405 / SA-505 iButton: SA-205 RFID: SA-305 / SA-505	
Scanner	2D imager (CD-3600) (externally attached to HC-1021IR at the bottom of the terminal (via SK-300))	Integrated 2D imager module
Cable TV Tuner	N/A	USB dongle & Remote Control
Handset	Yes	
Wall Mount Bracket	WB-5000	
Physical Dimensions		
Dimension	546.63 x 6.1 x 377.49 (W x D x H in mm)	
Weight	6.0 Kg	
Environmental		
Operating Condition	0°C - 40°C, 20%RH - 90%RH (equipped with HDD); 0°C - 50°C, 20%RH - 90%RH (equipped with SSD)	
Storage Condition	-20°C - 70°C, 10%RH - 90%RH	
Certification	CE/FCC	

※ The product information and specifications are subject to change without prior notice. To get the detailed information on HC-1021 series, please check this model from Posiflex Global Website (<http://www.posiflex.com/en-global/Download/download>).

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