

Industrial Computer User Manual



Safety defended:

Properly maintain your system to guarantee its service life and reduce the damage risk.

- It should avoid the humidity and extreme temperature when using.
- Avoid being revealed making equipment for a long time under shoot straight at sunlight or intense ultraviolet ray lamp light.
- Avoid heavy impact or drop onto the ground.
- The LCD screen is very easy to scratch, avoid crashing please. Be sure not to use other sharp article to bump against touch screen.
- The fuselage is external, close a power source, allocate away mains lead if should be clean, quality cloth cleans with tiny wet soft when clean screen, in order to not lose trifling soft of cotton please.
- Strictly forbid the machine presumptuously dismantling or keeping the machine, otherwise, possibility damage in repair.
- Do not place your equipment or accessory together with other inflammable liquid, the gas or other explosive articles, to avoid dangerous.

Content

Safety defended:	2
Product description	3
Parameter	4
Micro SIM Card & Memory Card Instructions	6
Basic Operation	2
Menu	3
Accessories	10
Trouble shooting	10

Product description

Power Connection



Features

- ◆ 7" 16:9, 800×480 high resolution;
- ◆ OS: Android 5.1.1;
- ◆ Touch screen control;
- ◆ 450cd/m² high brightness;
- ◆ Micro SD card storage makes the data reliable, convenient and easy for expansion;

Parameter

Configuration	Parameter
System configuration	CPU Qualcomm Quad core 1.1GHz Flash 8GB RAM 1GB DDR3
Interface	Micro SD card , SIM card USB OTG Earphone jack DC power input 2×RS232 interface
Function	Wi-Fi version: Wi-Fi + Bluetooth Optional: ACC/GPIO 4G version: wi-fi+Bluetooth+3G+4G+GPS Optional: ACC/GPIO
Touch Panel	Capacitive
Display	7"
Screen Resolution	800×480
Brightness	450cd/m ²
Contrast	500:1
Viewing Angle	140°/ 120° (H/V)
Power supply	DC 9-36V
Power Consumption (Normal mode)	≤8W
Working Temperature	-20℃-60℃
Storage Temperature	-30℃-70℃
Dimension (LWD)	188 × 144 × 35 (mm)
Weight	442g

Description of each part

Front



1. Microphone.
2. Back: return to the previous menu.
3. Home: return to the home screen; Long-press and double-click functions can be customized.
4. Reset: to restart system.
5. Power: power on / off.

Side

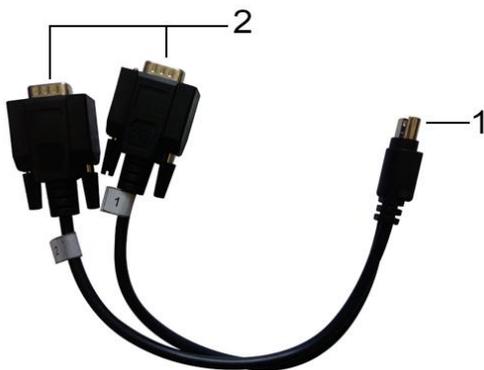


1. Mini USB port: to connect with USB cable.
2. Micro SIM card slot: insert Micro SIM card to connect with 3G/4G network.
3. Micro SD card slot: insert micro SD card to store the map or other data.



4. Earphone jack.
5. G-mouse: serial signal input port.
6. DC power jack

13-Pin to RS232 line



1. Signal input interfaces
2. RS232 interfaces × 2

Micro SIM Card & Memory Card Instructions

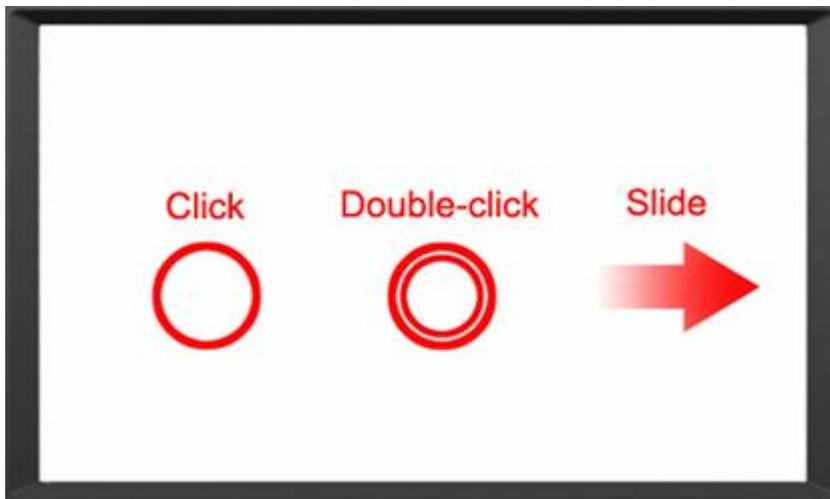
- ◆ In order to avoid damaging of the 3G/4G card & memory card, please insert the card smoothly and push slightly before you draw it out.
- ◆ The memory card will be heat after long time working.
- ◆ If you don't correctly use the memory card or cut the power when it being read, maybe some data will be damaged.
- ◆ If you don't correctly use 3G/4G card or cut the power when it being read, the network will be interrupted.
- ◆ If you do not use Micro SD card for a long time, please put it into packing box.

Insert the memory card as shown as follows,

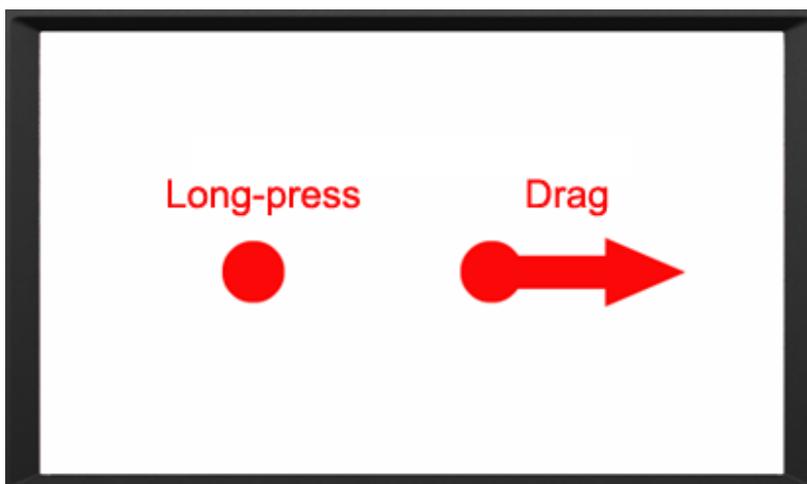
- ◆ Find the location of the 3G/4G card or memory card slot, part of the metal contacts facing down forward until it snaps into place.
- ◆ Insert the 3G/4G card or memory card smoothly to avoid of damaging.
- ◆ Please do NOT insert micro SD card into 3G/4G card slot, otherwise, micro SD will be hard to be taken out, and may be damaged.
- ◆ 32G micro SD supported.

Basic Operation

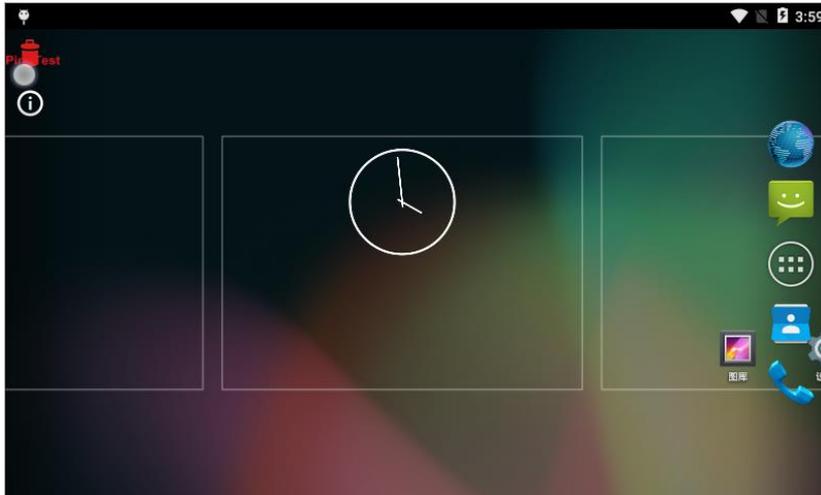
Click and Slide



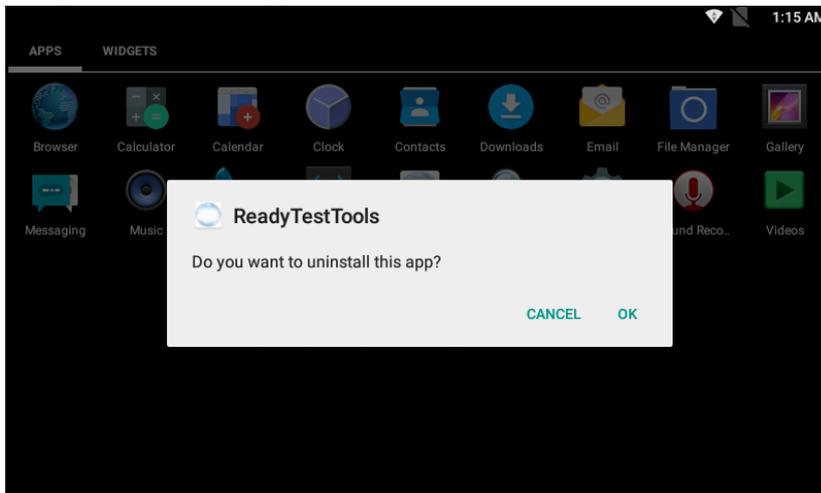
Long-press and Drag



Delete



Long-press the application icon, and drag to the Home screen, then drop to the recycle bin on the right to delete this app.



Menu

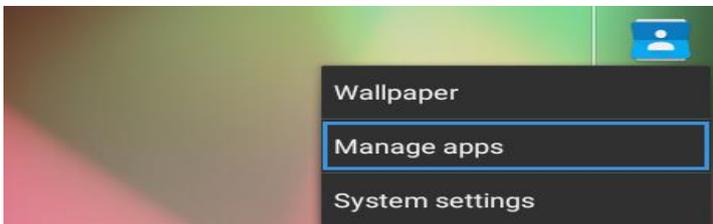
Icon Bar

Icon bar shows on the top of screen.

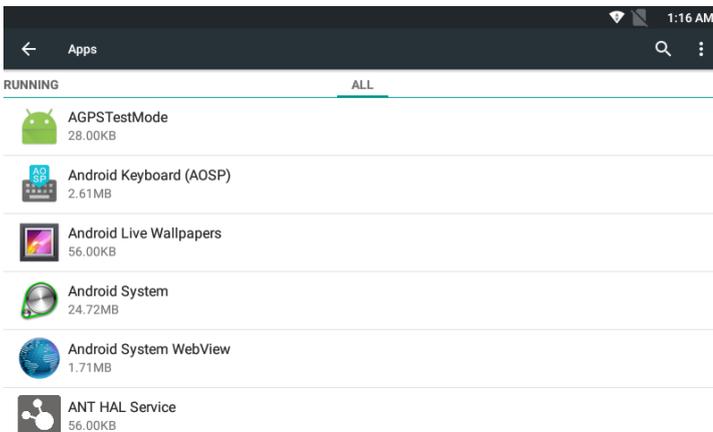
Icon	Name	Description
	Wi-Fi	Wi-Fi signal connection and status of signal weakness or strength.
	No SIM card	Icon displayed when no SIM card.
	Mobile Network	Network available but not surf the Internet via 2G/3G/4G.

		Signal connection and status.
	Time	Current time
	Wi-Fi Hotspot	Wi-Fi Hotspot available
	Bluetooth	Bluetooth available
	Position	GPS positioning
	Flight Mode	Flight mode status

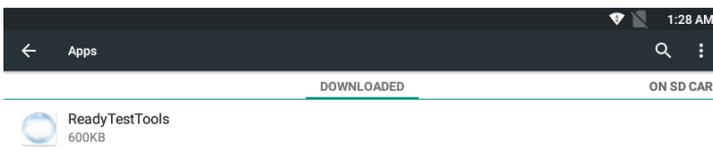
Menu Setting



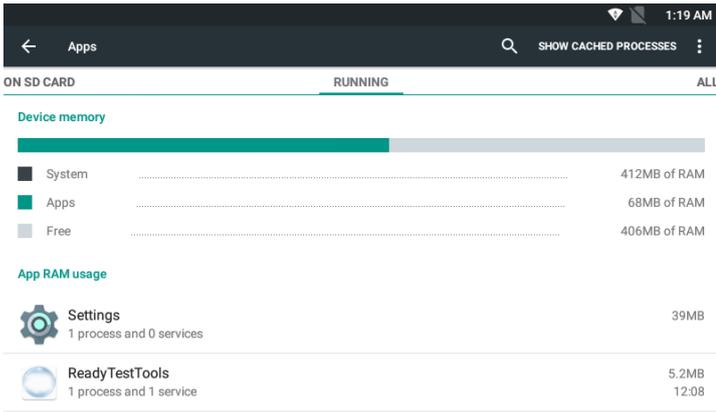
2. Press menu on screen to pop-up options, click “Manage apps” to manage applications.



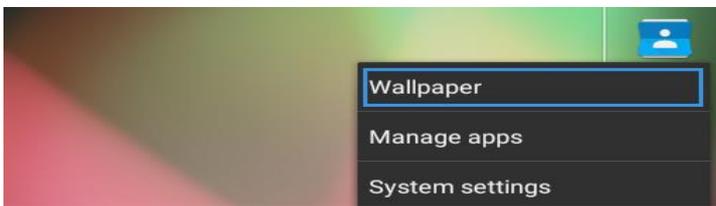
2-1. Click “ALL” applications: to view and manage all applications.



2-2. Left slide to “DOWNLOADED”: to view and manage downloaded applications.



2-3. Slide to “RUNNING”: to view and manage running applications.

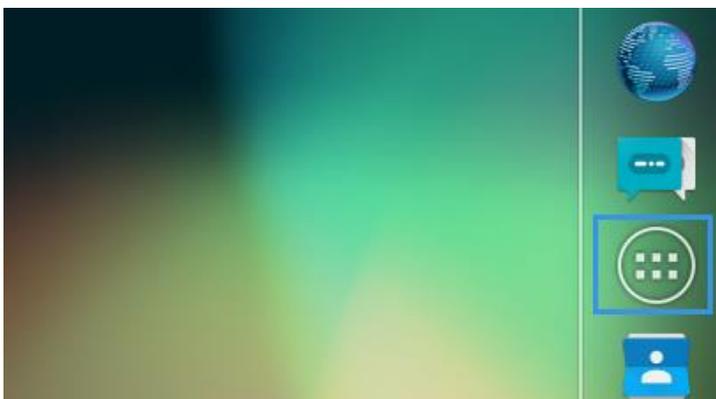


3. Click “Wallpaper” to launch wallpaper.

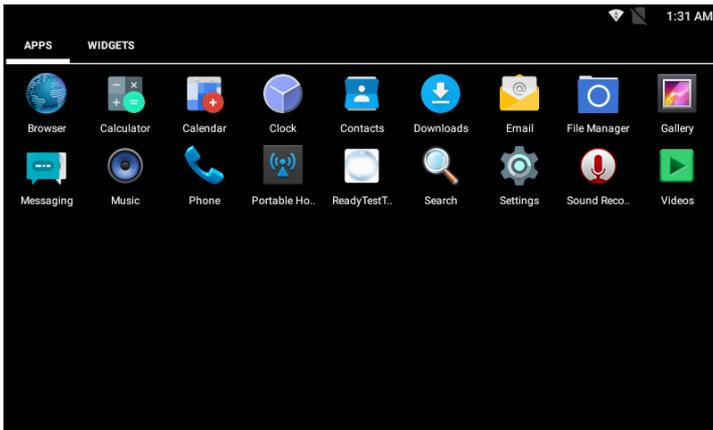
Choose wallpaper from

-  Wallpapers
-  Gallery
-  Live Wallpapers

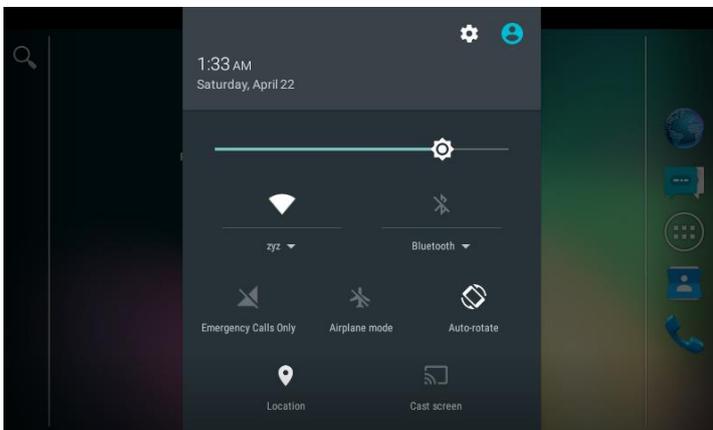
3-1. Choose favorite wallpaper.



4. Click  to enter application list.



4-1. Apps will be displayed in the application list after installed. Click related icon to enter application.

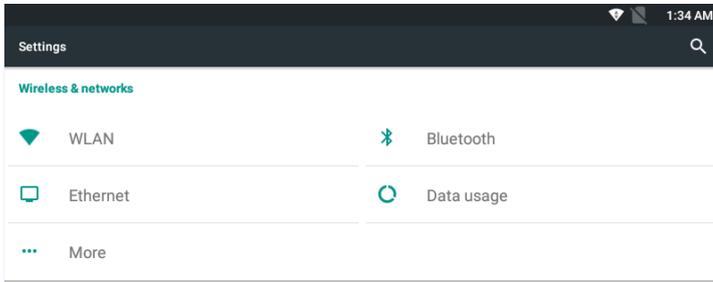


5. Drop down from the top of the screen to enter notification bar.

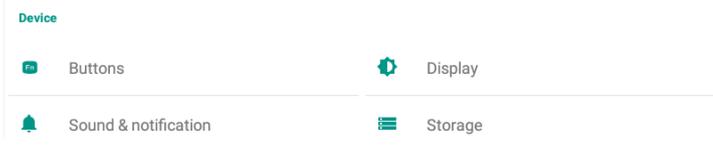
5-1. The notification bar shows system, running and error notice.



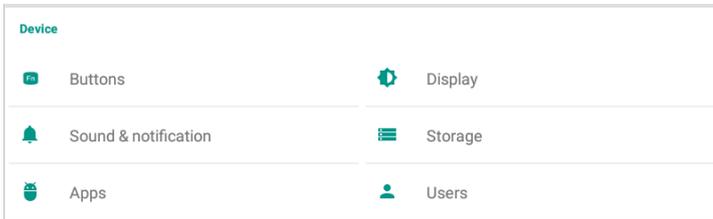
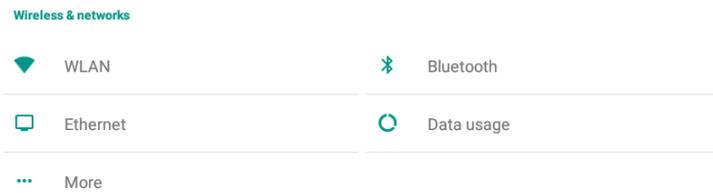
6. Click  to launch setting in the application list.



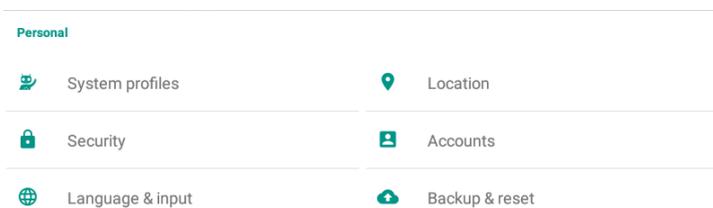
6-1. Setting according to users' needs. Click search icon to search function options on the upper right corner of screen.



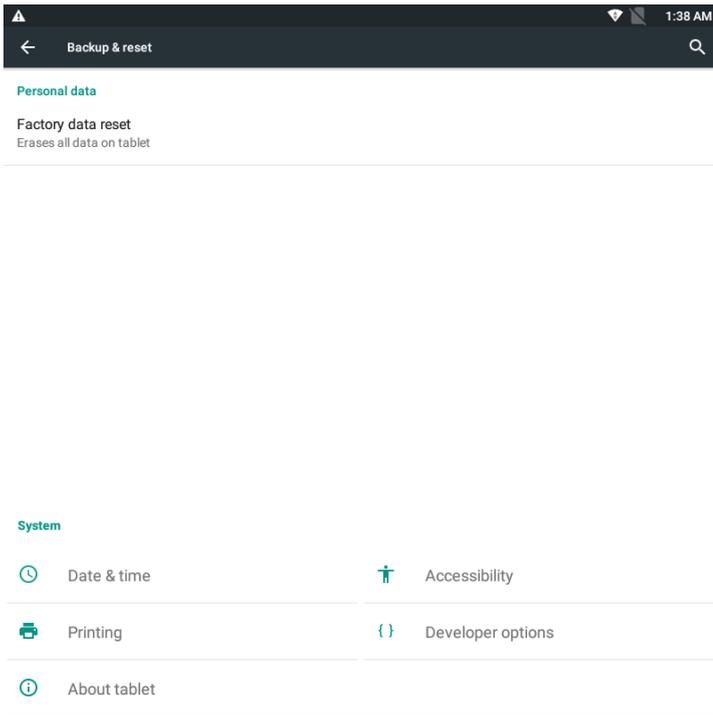
6-1-1. To set Wi-Fi, Bluetooth, mobile network and other functions in “Wireless & networks” option.



6-1-2. To view and set brightness, sleep time, font, rotation, notification, TF card, USB flash disk and other functions in “Device” option.

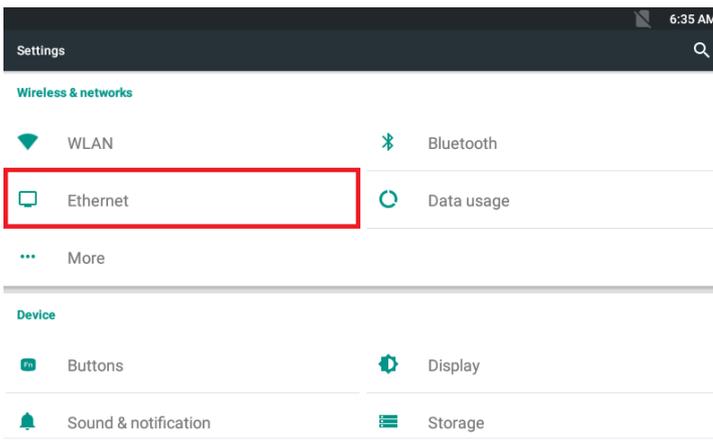


6-1-3. To manage position, screen lock, password, account, language, input and other functions in “Personal” option.

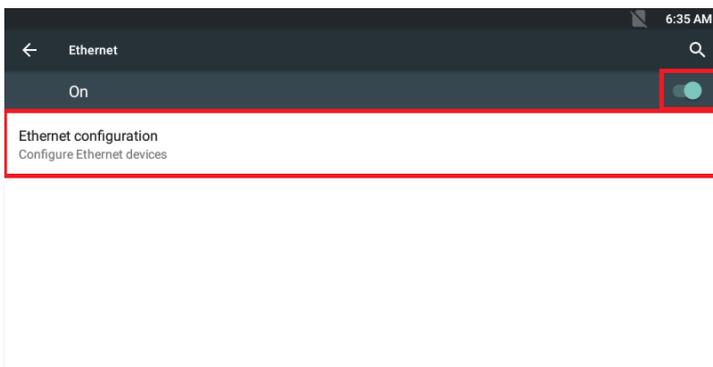


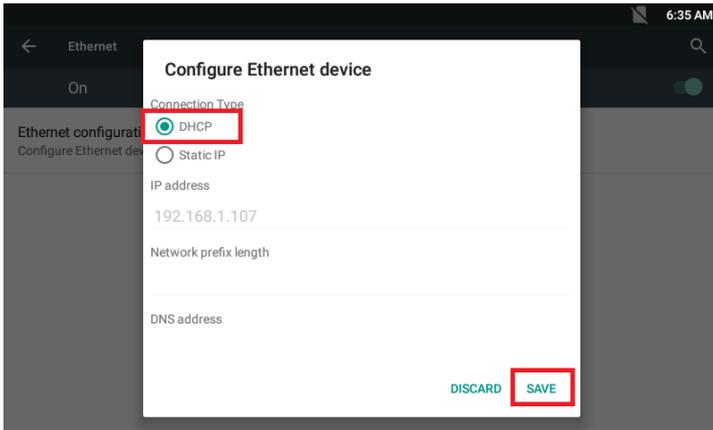
6-1-4. When unrecovered problems occurred, try to click “Backup & reset” and “Factory data reset” then follow the instructions. Device will delete settings and applications after restart, and restore to factory defaults.
(Please backup all important files before reset. Otherwise files will be deleted automatically and restore to factory defaults.)

6-1-5. To set date & time and accessibility in “System” option; Do NOT operate if unfamiliar with “Developer options”!

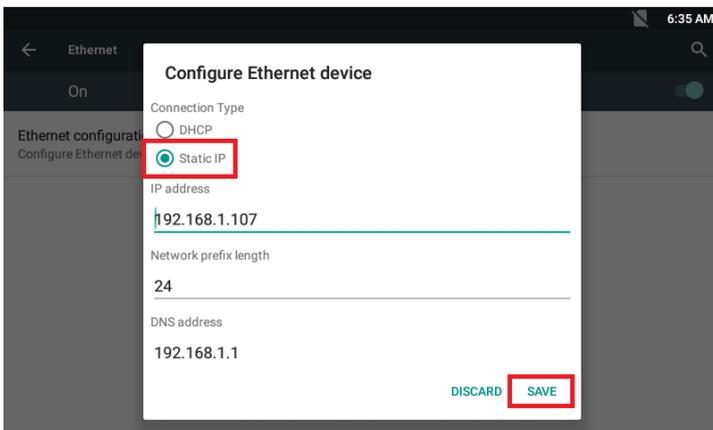


7. To manage, modify DHCP or static IP and proxy settings in “Ethernet” option.





7-1. Network IP default for dynamic IP access or DHCP.



7-2. Optional static IP access to the static IP.

Accessories



DC adapter	1 piece
P/S 2 to RS232 cable	1 piece
Mini USB cable	1 piece
OTG to USB	1 piece
CD drive	1 piece
Manual	1 copy
GPS (4G version only)	1 piece

Trouble shooting

* System problem

- Power source problem

Unable to boot

1. Check whether the power connection is correct or not.
One end of AC to DC adapter connects to DC power input, the other end connects to power source socket.
2. Bad connection
Check every connection and socket of power source

- Screen problem

1. The screen has no picture
2. Click function, the implementation time is too long but unable to activate.
3. In the switching process the image appears defer and standstill, and unable to switch image smoothly.

If the unit has any above-mentioned problem, please restart your system.

4. Incorrect responding to the touch click on screen.
Please carry out calibration to touch screen. (see about [Touch screen calibration] explanation.)
5. The display screen is misty
Check that if the display screen surface has dust filth. Please simply wipe with clean and soft cloth to keep the brightness of surface.

Note: due to constant effort to improve products and product features, specifications may change without notice.