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RENU AP6-CN Android Panel



INTRODUCTION

AP6070CN and AP6101CN android panels are suitable for simple applications. Available screen sizes are 7" and 10.1" with Color TFT Sunlight-readable display. All the products are compliant to EMC directive 2014/30/EU and LVD directive 2014/35/EU .

SPECIFICATIONS

	AP6070CN	AP6101CN
Size	7"	10.1"
Dimensions(In mm)	186.00(W)×138.00(H)×30.5(D)	268.00(W)×190.00(H)×32.0(D)
Display	1024 x 600 pixels, XGA Colour TFT, Capacitive touch display	

Power	11V to 28V, 7W	11V to 28V, 10W
Colors	16.7M	
Memory	eMMC: 8GB RAM: 1GB	
CPU	Cortex-A53 quad-core	
USB Ports	1x Type A USB 2.0 OTG port female , 1x Type A USB 2.0 port female	
Ethernet	1×10/100Mbps (RJ45)	
Bluetooth	Built-in, v2.1+EDR/BT v3.0/BT v3.0+HS/BT v4.2	
Camera IN	Supports USB camera (2 MP)	
SD Card Slot	1 x microSDHC	
Audio/Mic	3.5mm CTIA standard jack	
Wi-Fi	Built-in, supports IEEE 802.11 b/g/n/ac	
Weight	Approx. 0.8kg	Approx.1kg
Environment & Approvals		

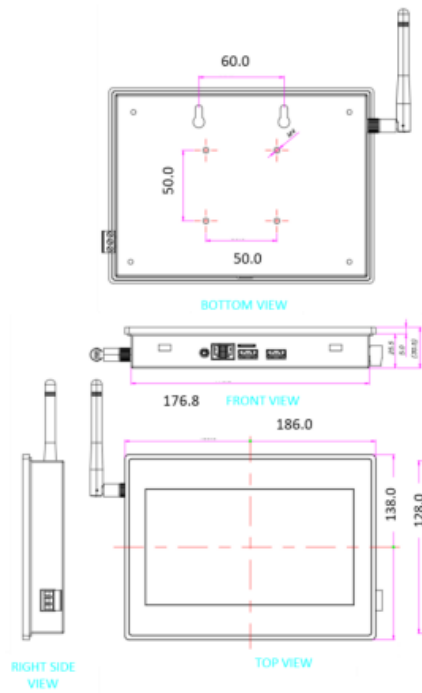
Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 85°C
Humidity	10 to 90%RH (Noncondensing)
Shock	IEC 60068-2-27 25g, 11ms, 6 shocks per axis, total 18 shocks (X, Y, Z)
Vibration Immunity	5~150Hz, 1g peak, (X, Y, Z)
Protection	Front panel-IP66, Rear panel-IP20
Approvals	CE, RoHS, UKCA, REACH

Default Product Settings

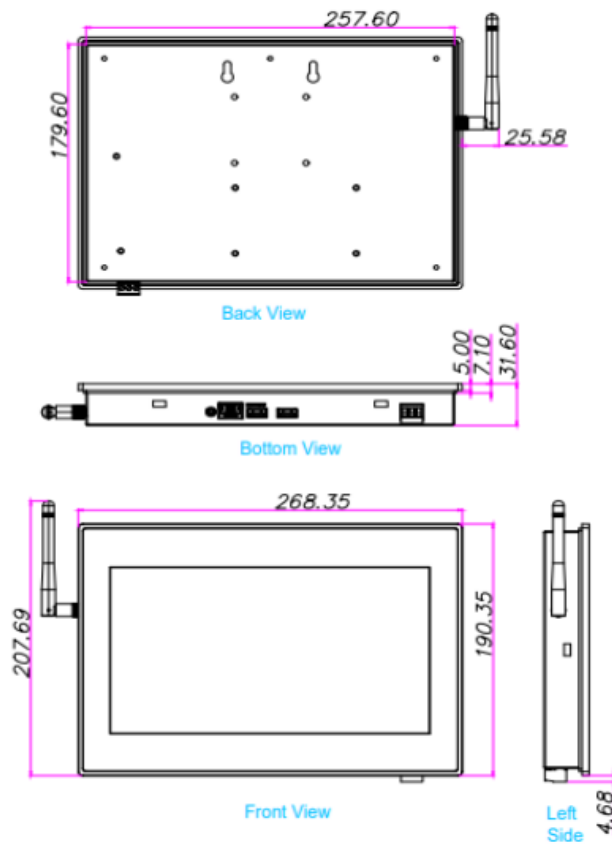
Network Settings	DHCP
Brightness	1000 nits
Default Language	English

PRODUCT DIMENSIONS

AP6070CN

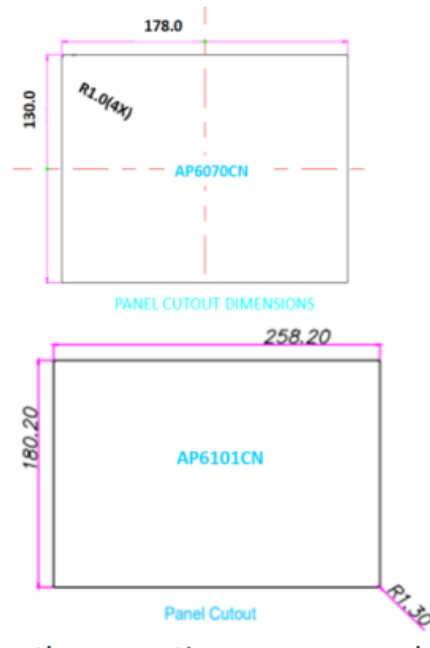


AP6101CN



PANEL CUTOUT DIMENSIONS

- Panel Cutout Dimensions:
- A P6070CN:178.00 (W) x 130.00(H)mm
- A P6070CN:258.20.00 (W) x 180.20(H)mm
- Mounting Clamps: 2



Tighten the mounting screws evenly to a torque between 0.4N/m to maintain water and dust resistance.

COMMUNICATION

This section provides information regarding communication interfaces supported by this product.

RJ45/Ethernet Port AP6 series supports Ethernet 10/100 Mbps port as an ordering option. It's having a standard shielded RJ45 female jack with built-in speed and indication LED'S.

Pin number	Signal
1	TX+
2	TX-
3	RX+
4	NC

5	NC
6	RX-
7	NC
8	NC

- **Type A USB Port**

- The AP6 comes with 2 Type A USB ports, female.

- **Wi-Fi Connection**

- Android panel AP6 series supports Wi-Fi connectivity with the 2.4GHz frequency band. To connect Wi-Fi, open the Settings app from the home screen

- **Wi-Fi Antenna**

- Android panel AP6 comes with an Antenna having a frequency range of 2.4GHz. 3 meters of optional extension cable.

Installation of Applications

Using a pen drive

- Copy the .apk file of the application to be installed.
- Enable OTG host in settings, then connect the pen drive in the USB port.
- Browse and open the location of the .apk file in the pen drive.
- Click on the .apk file of the application, and then click on 'INSTALL' in the pop-up window. This will start the installation.
- Once the app is installed, it will show the 'App installed' pop-up. Then click on DONE or OPEN.

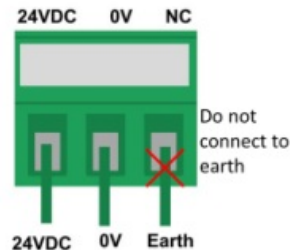
Using internet

- Connect the internet to an Android device using Wi-Fi or Ethernet.
- Open an internet browser and download the .apk file of the required application.
- After downloading is complete, the browser .apk file is in the Amaze file manager app.
- Click on the .apk file of the application, and then click on 'INSTALL' in the pop-up window. This will start the installation.

- Once the app is installed, it will show the 'App installed' pop-up. Then click on DONE or OPEN.

Power Supply

- 24V DC Power supply is there. The metal body is connected to the processor circuit ground. Do not connect the earth.



WARNING: There is no lock screen facility available on the device. DO NOT go to Settings à Security à Screen Lock à Selected Swipe to enable lock screen. This will render the device unusable and non-recoverable.

Navigation Bar Settings



Navigation Buttons

1. Volume: Decrease the system volume.
2. Back: Return to the previous page.
3. Home: Return to the home screen.
4. Recent: Switch between recently used apps.
5. Volume +: Increase the system volume.

Wi Fi and Ethernet Settings:

Wi-Fi:

1. Click on – Settings> Network & Internet
2. Enable Wi-Fi, it will scan and show available networks.

3. Click on the shown Wi-Fi network, enter the password (if the network is protected) then press OK.

Ethernet :

1. Click on – Settings> Network & Internet > Ethernet on the Android Panel
2. Check MAC address, IP address, Gateway, DNS given ‘NETWORK INFO’
3. To Set Up IP address and Port Number, go through Settings on the Android Panel

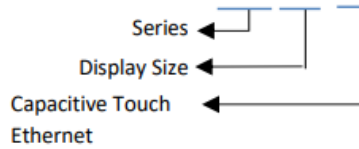


REVISION HISTORY

Rev.	Description	Date
1.0.4	Specification updated	09/06/2025
1.0.3	Power updated	28/08/2024
1.0.2	Second Draft	25/07/2024
1.0.1	First Draft	09/07/2024

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Product Code: AP6 XXX CN



FAQs

Q: Can I use an external USB camera with this device?

A: Yes, the device supports a USB camera with up to 2MP.

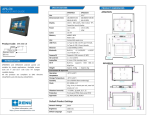
Q: What is the default language setting for the product?

A: The default language is English.

Q: How can I connect to Wi-Fi on this device?

A: To connect to Wi-Fi, open the Settings app from the home screen and navigate to the Wi-Fi settings to establish a connection

Documents / Resources

	RENU AP6-CN Android Panel [pdf] User Guide AP6070CN, AP6101CN, AP6-CN Android Panel, AP6-CN, Android Panel, Panel
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References

- [User Manual](#)

Android Panel, AP6-CN, AP6-CN Android Panel, AP6070CN, AP6101CN, Panel,

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