



Manufacturer: Hisense Ronshen (Guangdong) Refrigerator Co.,Ltd

Address : No.8 Ronggang Road Ronggui Shunde Foshan Guangdong P.R.China

Introduction :

HL7602SET is a display component with a shielding cover developed based on the MTK MT8371 platform and equipped with the MT6631X RF chip. It can be used in Android display large screens for home appliance products. This module integrates Bluetooth and Wi-Fi functions and is suitable for indoor network environments.

project	description	Remarks
CPU	ARM Cortex A78*2 2.2GHz ARM Cortex A56*6 2.0GHz	MT8371
GPU	ARM Mail G57 MC2 880MHZ	
NPU	MediaTek NPU 850 9TOPS	
DDR RAM	LPDDR5	4GB
Flash	eMMC 5.0+	32GB
LCM	3840*2160 @60 FPS	EDP
LCM Backlight board interface	6PIN CON	
TP	CTP	I2C TP
WiFi	802.11 ac/a/b/g/n/ax	2.4G/5G
BT	4.1+	V2.1+EDR , 3.0+HS , V4.1+HS
Microphone	Dual microphone array input	Electret MIC
SPEAKER	3W×2	
Human motion detection	24G microwave human detection	
Mainboard communication interface	UART	
USB interface	USB2.0 OTG USB2.0 HOST	
I2C	I2C TP interface	

KEY	System reset key	Short press for 1 second to hardware reset
Operating temperature	-20~55℃	

Application

- Smart home appliances (e.g: Air conditioning, washing machine, refrigerator, oven, etc)
- Smart display product.
- AI display product.

Antenna Type	Brand	Model No.	Max. Antenna Gain
PCB Antenna	Hisense	HL7602SET	2.4G wifi: Antenna 1: 2.85dBi, Antenna 2: 2.35dBi BT: 2.98dBi 5G wifi: Antenna 1: 3.69dBi, Antenna 2: 3.67dBi

Band application caution (for Wi Fi 5G device)

Legal Information This device may be operated in all member states of the EU. Observe national and local regulations where the device is used. This device is restricted to indoor use only when operating in 5150 to 5250 MHz frequency range in following countries:

AT	BE	BG	HR	CY	CZ	DK
EE	FI	FR	DE	EL	HU	IE
IT	LV	LT	LU	MT	NL	PL
PT	RO	SK	SI	ES	SE	UK(NI)
NO	IS	LI	CH	TR	/	/

EU Conformity Statement



This product is marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Radio Equipment Directive 2014/53/EU.

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.



Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This 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, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

ce matériel est conforme aux limites de dose d'exposition aux rayonnements, CNR-102 énoncée dans un autre environnement. cette équipement devrait être installé et exploité avec distance minimale de 20 entre le radiateur et votre corps.

The user manual for local area network devices shall contain instructions related to the restrictions mentioned in the above sections, namely that:

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

Le manuel d'utilisation des dispositifs réseau local doit contenir les instructions relatives aux restrictions mentionnées dans les sections ci-dessus, à savoir que :

(i) l'appareil utilisé dans la bande 5150-5250 MHz est uniquement destiné à un usage intérieur afin de réduire le potentiel d'interférences nocives sur les systèmes mobiles satellites co-canaux;

For EU:

2.4G wifi(2412~2472MHz):19.96dBm

BT(2402~2480MHz):8.23dBm

5G wifi(5180~5240MHz):20.83dBm