

User Manual

For

Android Control Board

With

Wireless module

Product : Digital Transmission System

Model No. : XBP301

This user manual pertains to Android player main board with wireless module, the main board can be assembled in the Android based Advertising Media player, listed as below

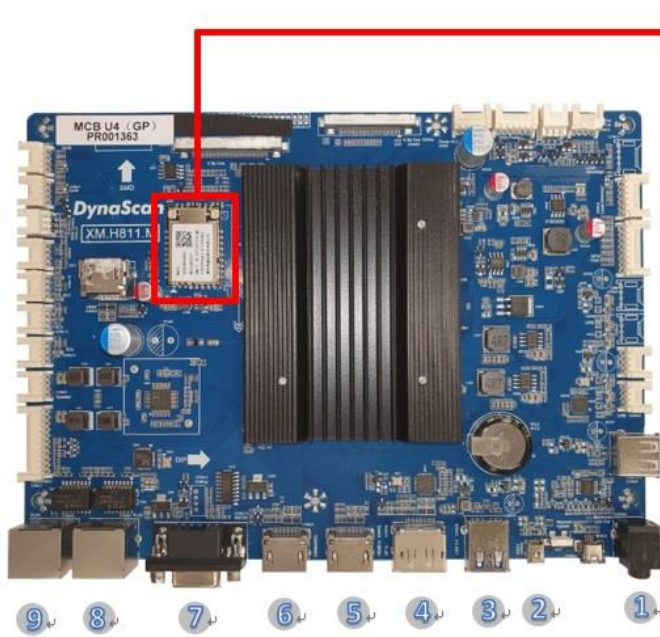
Model	Model Description
66502	65" Monitor
66901	86" Monitor

Specifications

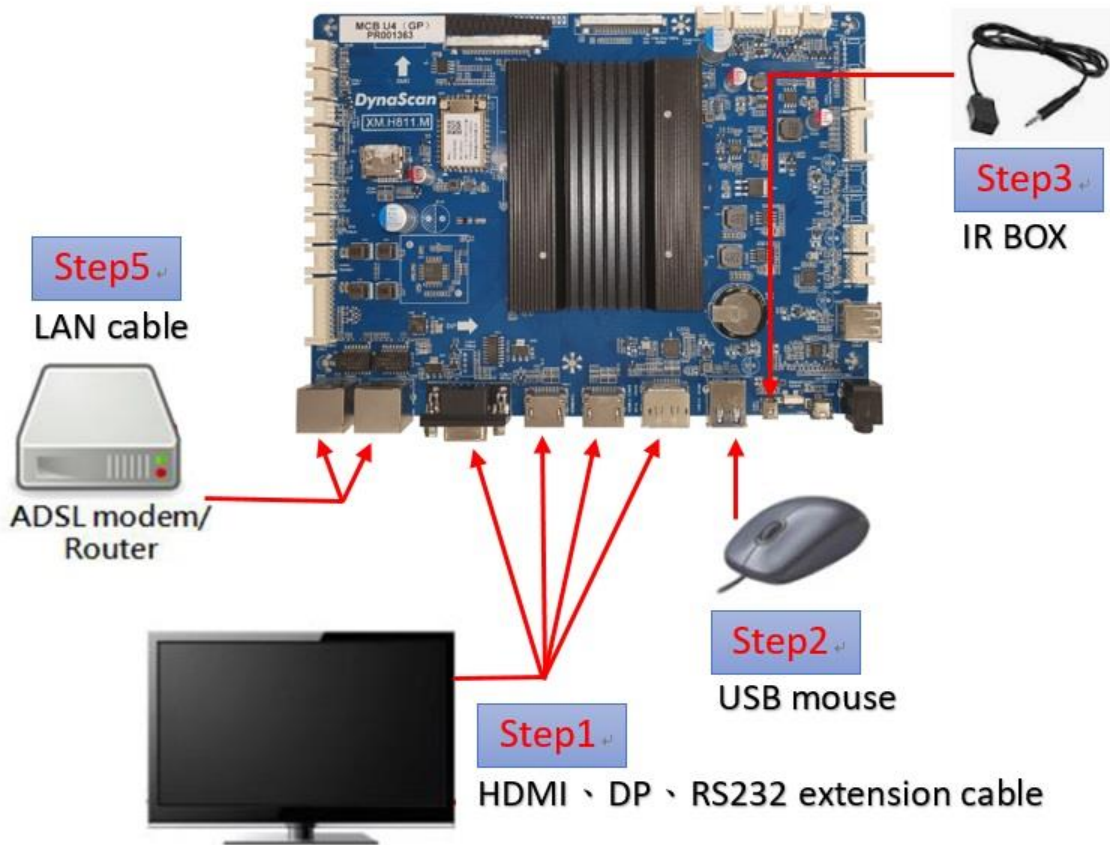
Item	Description
Storage	Internal : 16GB NAND Flash, External : Micro SD Card
WIFI	802.11 b/g/n
Ethernet	RJ45, 10/100Mbps Fast Ethernet
Display Output	HDMI*2, DP*1
USB Input	USB Type A*1
Card Reader	Micro SD Card Slot*1
Power Input	12V/3A (6 pin header)
LED Indicator	Green (Power on)
Internet Browser	Google Chrome
Video Format	JPG H.264, H.263, DIVX, ON2VP, Mpeg1, Speack, Mpeg4, VC-1, WMV9, MPEG2, Real video, SVC
Image Format	BMP, JPG, TIF, PNG, GIF
Music Format	MP3, WAV, WMA

- PCBA Dimension : 200 x 150 mm
- Assemble method : The module will be screwed on the housing and used as a main board for Android based Advertising Media Player.
- Input port :
 - 1pc Power jack – for +5V/2A power input
 - 1pc USB Type A – for USB mouse
 - 1pc Antenna connector for 2.4G WiFi network

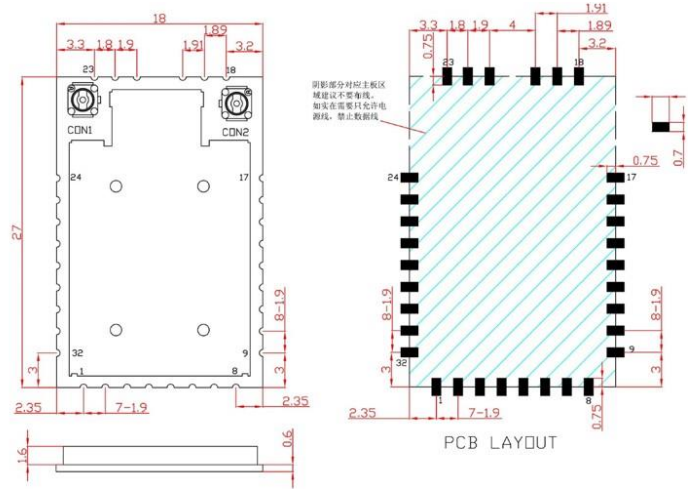
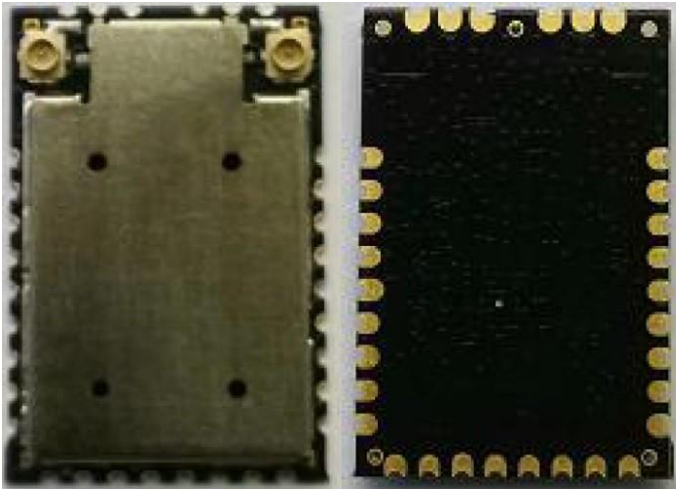
Hardware interface



- 10. WIFI
- 1. AUDIO OUT
- 2. ESK
- 3. USB
- 4. DP-IN
- 5. HDMI-2
- 6. HDMI-1
- 7. RS232-IN
- 8. LAN2
- 9. LAN1



WiFi pin location and description :



PIN	SYMBOL	DESCRIPTION	PIN	SYMBOL	DESCRIPTION
1	NC	Not Connect	17	BT_SYNC_IN	
2	NC	Not Connect	18	GND	GND
3	NC	Not Connect	19	NC	
4	NC	Not Connect	20	GND	GND
5	GND	GND	21	GND	GND
6	WL_USB_DP	USB D+	22	NC	
7	WL_USB_DN	USB D-	23	GND	GND
8	GND	GND	24	GND	GND
9	NC	Not Connect	25	GND	GND
10	NC	Not Connect	26	WLAN_WAKE_HOST	WLAN CHIP WAKES UP HOST
11	GND	GND	27	NC	
12	NC	Not Connect	28	CHIP_EN	Shutdown CHIP (Internal 47KΩ pull up to 3.3V, low level active)
13	GND	GND	29	GND	GND
14	BT_WAKE_HOST	BT CHIP WAKES UP HOST	30	VDD33	3.3V
15	NC	Not Connect	31	NC	Not Connect
16	NC	Not Connect	32	GND	GND

FCC Statement :

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION :

Any changes or modifications not expressly approved by the grantee of this device 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.

RF exposure warning :

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. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

End Product Labeling :

The end product shall bear the following 15.19 statement: 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 transmitter module is authorized only for use in device where the antenna may be installed such that 20cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following:

" Contains FCC ID: 2AKWYXBP301 "

This module is intended under the following conditions :

1. This module is certified pursuant to Part 15 rules section(15.247).
2. This module is limited to host model number: 66502, 66901 / Brand: DynaScan
3. This module has been approved to operate with the antenna types listed below, with the maximum permissible gain indicated.

Frequency Band	Antenna Type	Gain(dBi)
2400-2483.5MHz	PIFA	0.87

Information on test modes and additional testing requirements :

This module is restricted to integration into hosts for indoor use only.

Be limited the operation channels in channel 1-11 for 2.4GHz band.

The separate approval is required for all other operating configurations, including portable configurations with respect to Part 2.1093 and different antenna configurations.

The information on how to configure test modes for host product evaluation for different operational conditions for a stand-alone modular transmitter in a host, versus with multiple, simultaneously transmitting modules or other transmitters in a host can be found at KDB Publication 996369 D04.

Additional testing, Part 15 Subpart B disclaimer :

Appropriate measurements (e.g. 15B compliance) and if applicable additional equipment authorizations (e.g. SDoC) of the host product to be addressed by the integrator/manufacturer.

This module is only FCC authorized for the specific rule part 15.247 listed on the grant, and the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host product as being Part 15 Subpart B compliant.

The user manual of the end product should include :

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

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