



iWave G15-MXMD i.MX6 MXM Development Kit Instructions

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iWave G15-MXMD i.MX6 MXM Development Kit



i.MX6 MXM Development Kit – Rainbow G15-MXMD



Description

- **Part Number:** With 7"Resistive touch LCD display iW-G15D-MX04-3D001G-E004G-ACB
- **Part Number:** Without LCD display iW-G15D-MX04-3D001G-E004G-ACD

i.MX 6 MXM SOM:

- i.MX6 Quad Core CPU @ 1 GHz
- 1GB DDR3 RAM
- 4GB eMMC Flash
- 2MB SPI Flash (default boot device)
- **OS:** Android 4.0.4

MXM Carrier Board:

- RS232 Debug Console – 1 Port
- USB 2.0 Host x 3 ports
- USB 2.0 device – 1 Port
- Gigabit Ethernet – 1 Port
- 7" LCD RGB display (800×480) with PWM

- 4 Wire Resistive Touch screen
- Audio In/Out
- SATA – 1 Port
- PCIe1 lane – 1 Port
- HDMI v1.4 – 1 Port
- CAN – 2 Ports
- LVDS – 2 Ports
- Standard SD slot

Development Kit Deliverables

1. OS (Android) loaded development board with above configuration
2. Hardware & Software User manuals
3. Android Driver binary & source code, Cross Compiler and test applications.
4. 12V, AC-DC external power adaptor (110-230V AC)

Note1: Device drivers provided are for specific interface chipsets, which are used in iWave's Carrier board.

Note2: SOM module and carrier board design files including Schematics and PCB layout files will not be included as part of development kit deliverables.

Note3: 7" resistive touch display will not be included in the deliverables for the part number: iW-G15D-MX04-3D001G-E004G-ACC.

Note4: MAC address will not be pre-programmed by default. Customer can buy the MAC address from IEEE and program as instructed in the user manual.

Note5: HDMI HDCP device keys are not included with the board shipment. Customers who develop products using HDMI need to work with DCP (<http://www.digitalcp.com/licensing>) to get the HDCP license and related device keys.

Warranty Support and Terms

1. Warranty support for the Hardware: 1 year
2. Warranty support is from iWave Systems, Bangalore, India.
3. The product is warranted to be free from defects in materials and workmanship
4. What is not included under warranty:
 1. Product that has been abused, damaged, altered or misused by any person or entity after the product is delivered to the customer.
 2. During Warranty support, Client shall bear To and From shipping charges, Clearance, duties/Taxes, if any.

iWave Systems Technologies Pvt Ltd 7/B, 29th Main, BTM Layout 2nd Stage Bangalore – 560 076, India

Documents / Resources



[iWave G15-MXMD i.MX6 MXM Development Kit](#) [pdf] Instructions
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References

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Manuals+,