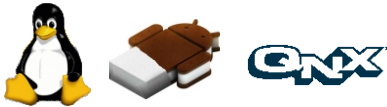


Development Platform RainboW-G15D-MXM i.MX6 MXM Development Board



RainboW G15D is a multipurpose platform powered by automotive grade i.MX6 MXM SOM which is based on Freescale's i.MX6 Series 1GHz multimedia focused processor. This platform can be used for quick prototyping of any high end applications in verticals like Automotive, Industrial & Medical. Being a nano ITX form factor with 120mmx120mm size, the board is highly packed with all necessary onboard connectors to validate complete i.MX6 CPU features.

APPLICATIONS: Automotive Infotainment, Advanced HMI, Telematics, Digital Signage, Healthcare and Medical Equipments



iW-RainboW-G15D-MXM HIGHLIGHTS

Ideal for Quick Proof of concept (POC) development

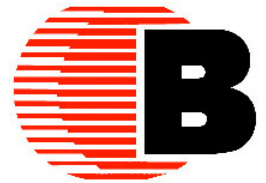
Shortens 60% of the new product development life cycle

Quad Display Support

Quick customization services in a very shorter period

Compact (NanoITX 120mm X 120mm) form factor

Suitable for Wide Range of Applications



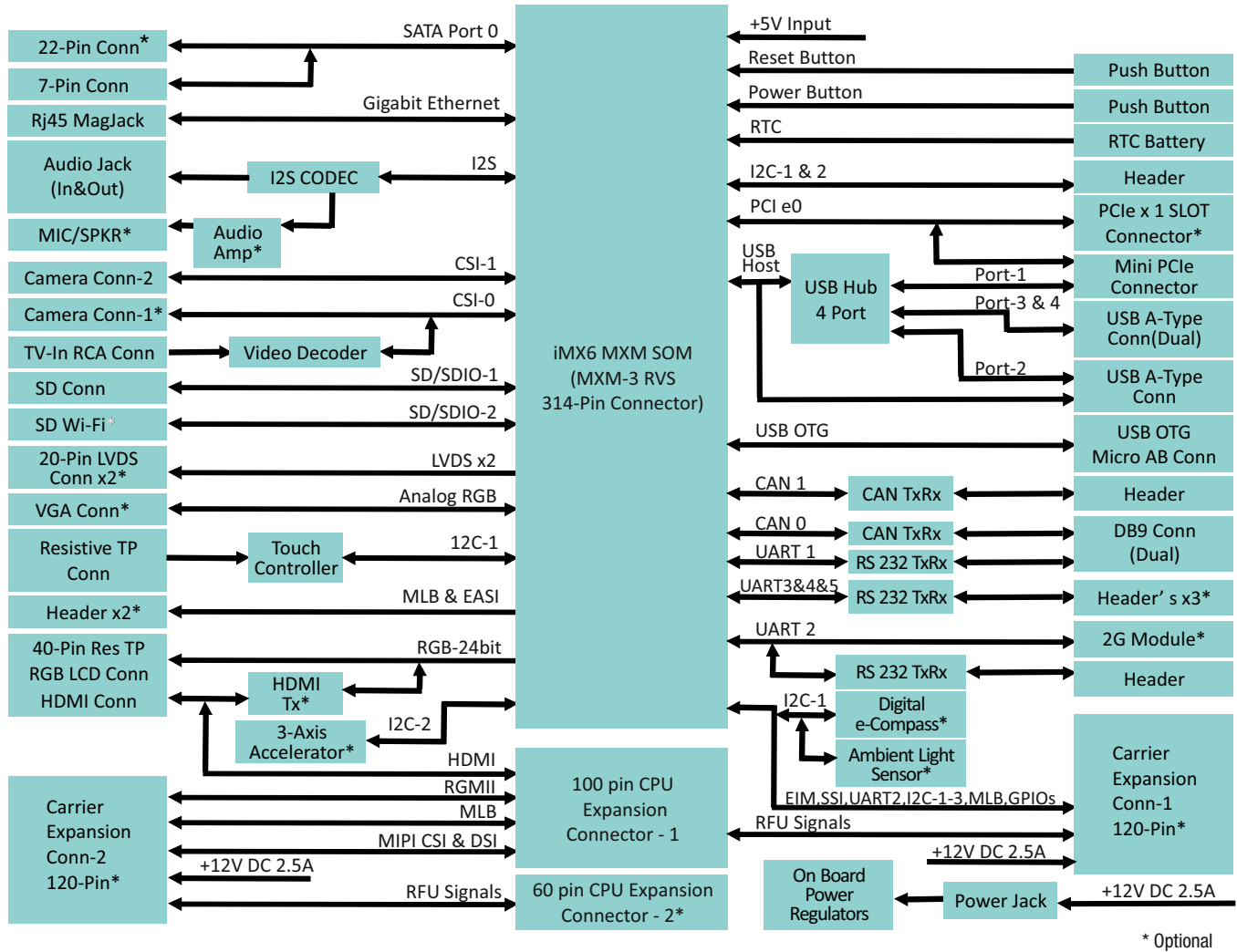
SPECIFICATIONS

i.MX6 CPU Module:	Audio and Video:
i.MX 6 Quad/Dual/Solo CPU	On-board Audio Codec
ARM®Cortex™-A9 core @1GHz	Audio IN/OUT Jacks
2D/3D GPU (OpenGL ES 2.0, OpenVG 1.1)	TV-IN RCA Jack - 1 Port
Hardware Encoder and Decoder	Parallel Camera - 1 Port
RAM: 1GB DDR3 RAM (Expandable)	800x480 - RGB 7" LCD
Storage:	HDMI 1.4 - 1Port
MicroSD	Audio Amplifier
4GB eMMC Flash (Expandable)	On-Board Headers:
Storage:	UART Headers
SATA 3.0 - 1Port	ESAI Header
Standard SD/MMC -1 Port	MLB Header
Communication Interfaces:	RTC Coin cell Holder
Gigabit Ethernet - 1 Port	Expansion Connector-1*:
USB 2.0 Host - 3 Ports	Memory Bus,UART,I2C
USB 2.0 OTG - 1 Port	MLB(3 pin), SSI,GPIOs,12V
RS232 Debug Console - 1Port	Expansion Connector-2*:
CAN - 2 Ports (DB9, Header)	iMX6 RGMII,ENET Interface*
Mini PCIe 2.0 - 1 Port	MIPI CSI, MIPI CSI,MLB-6pin,12V
Wi-Fi Module (Shared with Micro SD)	Operating Temperature:
Sensors:	0 to 60°C
3-Axis Accelerometer	Power Input:
Digital e-Compass	12V@ 2A DC Input
Ambient Light Sensor	Form Factor: Nano ITX 120mmx120mm

*Optional

** Note: device drivers provided are for specific interface chipsets which are used in iWave's carrier board

i.MX6 MXM DEVELOPMENT BOARD BLOCK DIAGRAM



* Optional

OS SUPPORT

Linux 3.0.35
Android 4.0.4*
QNX 6.5.0*

* Optional

DELIVERABLES

RainboW-G15D-MXM Platform
Board Support Packages
Power Adapter
User Manual

OPTIONAL KITS

Camera Add On Module
7" Capacitive Touch Add On Module
3G Add On Module

CUSTOM DEVELOPMENT

Custom SOM/ Carrier Card Development
BSP Development/ OS Porting
Design Review & Support

iWave Systems Technologies, established in 1999, focuses on Product Engineering Services involving Embedded Hardware, Software & FPGA. The company designs and develops cutting edge products and solutions. iWave has been an innovator in the development of highly integrated, high performance, low power and low cost System On Modules and Development Platforms. iWave's expertise has brought out multiple SOMs based on ARM, Freescale, Intel Atom, Marvell and TI Processors.

iWave Systems has won the confidence of its customers over the years by being a reliable partner in developing innovative products. Our engineers combine outstanding System design experience to deliver Quality Solutions. iWave specializes across Industrial, Automotive and Medical domains. We support our customers by being time efficient, which in turn helps our customers accelerate time to market their products. iWave is a Windows embedded Silver partner and a winner of the Partner Excellence Award.

Note: iWave reserves the right to change these specifications without notice as part of iWave's continuous effort to meet the best of breed specification. The registered trademarks are proprietary of their respective owners.

*Optional items not included in the standard deliverables

Ordering the i.MX6 MXM Development Board

The board can be ordered online from the iWave Website
<http://www.iwavesystems.com/webforms>