

# System On Module RainboW-G3 i.MX27 SOM Module



RainboW-G3 is an i.MX27 processor module. It helps developers to prototype their applications on Windows CE 6.0, Android and Linux. As it is in the form of Ready to Manufacture form factors, it can be used as it is in the final product. iWave would offer customization services, if required. It is an ideal solution for customers who are looking for a quick Design Solution to their Embedded Products with the below features. iWave has flexible business models for this platform.

**APPLICATIONS :** Medical Monitoring / Computing, Industrial HMI / Automation, DVR, Video Phone, Embedded Computing

## i.MX27 SOM HIGHLIGHTS

Supports multiple OS with different device drivers

WinCE, Linux, Android

SBC with 15+ design developed around this platform

Success stories:

Rugged Industrial terminal, Video phone, Protocol converter, Patient Monitoring, DVR, HMI



## SPECIFICATIONS

### Memory

128MB MDDR(Expandable)

32MB Flash(Expandable)

### Onboard:

7" LCD + Touch, optional 3.5"LCD

USB 1.1 Host or USB 1.1 Device

Dual SD, Dual UART

VGA out, Audio In/Out, Video IN/OUT

### Optional :

Wi-Fi, GSM/GPRS

GPS, Camera I/F

Keypad I/F

### Form Factor

99mm x 73mm

## OS SUPPORT

Linux 2.6.19  
Android 1.6\*  
WinCE6.0\*

## DELIVERABLES

Rainbow-G3 Module  
Board support packages  
User manual

## OPTIONAL KITS

i.MX27 Development Kit  
(Rainbow - G3V)

## CUSTOM DEVELOPMENT

Custom SOM/ Carrier Development  
BSP Development/ OS Porting  
Design review and 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 properties of their respective owners.*

*\*Optional items not included in the standard deliverables*

## Ordering the i.MX27 SOM Module

The SOM Module can be ordered online from the iWave Website  
<http://www.iwavesystems.com/enquiry.htm>

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