

# CREST

*Enhancing Access to Embedded World*

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## Our Latest Offerings



## RZ/G1M Qseven Development Kit

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## Greetings!



### **iWave launches Renesas RZ/G1M based Qseven SOM**



RZ/G1M Qseven SOM

iWave pleased to announce a new System-On-Module (SOM) based on Renesas RZ/G1M MPU. RZ/G1M SOM is Qseven R2.0 compatible industrial grade CPU module named as iW-RainboW-G20M. This SOM module supports 1GB DDR3 RAM, 4GB eMMC Flash and 2MB SPI NOR Flash with

expandable memory options. [More..](#)



### **Machine Vision Application on iWave's Cyclone V SoC Development Platform**

Machine vision is the application of computer vision and related technologies to industrial automation. Machine Vision is used in many Grading systems like Vegetable/Fruit Grading systems. iWave Systems has developed Machine Vision Application system for finding Blemish/Damage on Vegetable/ Fruit on iWave Cyclone V SoC Development platform. The current system involved in



Cyclone V SoC Qseven

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## **iWave Systems Technologies Pvt. Ltd.**

is a Bangalore based Embedded Systems Company, providing innovative solutions in Embedded Hardware, Software and FPGA Designs. We have strategic partnership with major semiconductor suppliers like Freescale, Intel, Altera, TI, Marvell, Atmel, Toshiba, SiRF and more... We cater to Industrial, Medical and Automotive markets.

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finding blemish/damage on vegetable- Development Kit  
eggplant. **More..**



## **Imx6 Ultra Lite SOM for POS applications**



i.MX6 Ultra Lite SODIMM SOM for POS application

The NXP's i.MX6UL3 Cortex A7 based power efficient CPU integrates comprehensive security features such as TRNG, Crypto Engine (AES with DPA, TDES/SHA/RSA), Tamper Monitor, Secure Boot, SIMV2/EVMSIM interfaces, OTF DRAM Encryption, PCI4.0 pre-certification etc. This makes the i.MX6UL3 CPU as very ideal solution for the electronic point of sale (ePOS) applications. **More..**



## **Crank Software Application on iWave's i.MX6DL Q7 Platform**

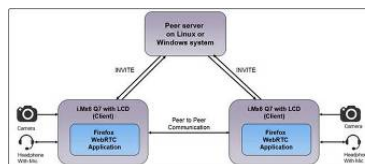
Crank Software provides a complete graphical user interface development and deployment environment. Crank Software composed of two components Storyboard Designer and Storyboard Engine. iWave's Q7 development platform successfully runs crank software application on it. **More..**



Crank Software Application



## **WebRTC Peer to Peer Communication (Audio & Video) on i.MX6 board**



WebRTC Peer to Peer Communication

Browsers and mobile applications are using WebRTC for audio and video Real-Time Communications (RTC) via simple APIs. WebRTC based web application provides rich, real-time multimedia features (think video chat) on the web, without any plugins, downloads or installs. Its purpose is to help build a strong RTC platform that works across multiple web browsers, across multiple

## Contact us:

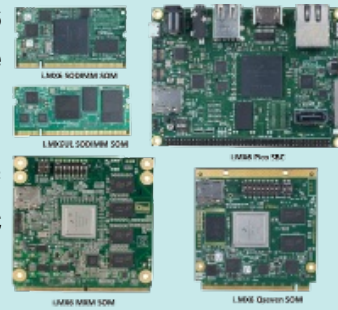
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platforms. **More..**



## Lollipop & 3.14 Linux kernel upgrade for iWave i.MX6 products

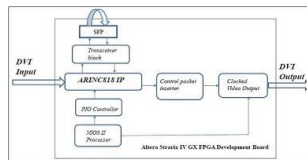
Since from the launch of i.MX6 application processors, iWave Systems, one of the global leading SOM suppliers, has launched many variations of i.MX6 CPU modules and an SBC boards catering to Industrial, automotive and medical applications. **More..**



iWave i.MX6 Products



## ARINC818-2 IP Core Evaluation Platform



ARINC818-2 IP Core Evaluation

Streaming Interface feature of ARINC818-2 IP made easy to integrate this with available FPGA specific streaming IP and use it for different video application. iWave's ARINC818 IP is tested and validated

on Xilinx Kintex 7 FPGA Evaluation kit and Altera Stratix IV GX FPGA development board. **More..**



## WebRTC One To Many Broadcasting (Audio & Video) on i.MX6 board

Browsers like FireFox are providing WebRTC Web Real Time Communication technology to do realtime audio and video communication. WebRTC can be used for peer to peer audio and video communication, one to many audio and video broadcasting. iWave Systems has developed WebRTC based one to many audio and video Broadcast on i.MX6 Qseven development



WebRTC Broadcasting platform. **More..**

Stay Connected



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