

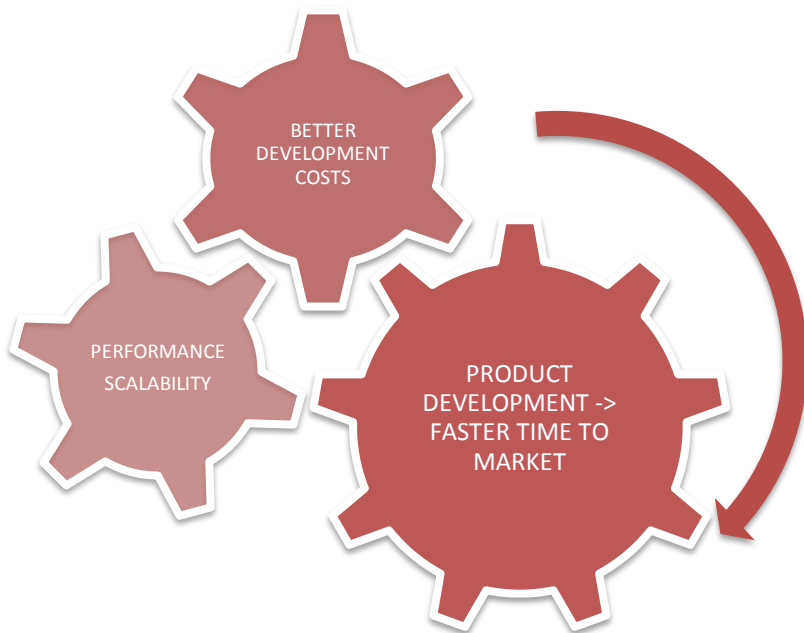
MAGIK2: i.MX6 Q-Seven Module with Carrier Board

Using Q7 standard for embedded modules, TESSOLVE EMBEDDED SYSTEMS introduces a series of ultra-low power ARM System-On-Module based on the NXP i.MX Family which is powered by ARM Cortex A9 CPUs.

TESSOLVE leverages its vast experience of product development in embedded multimedia systems for professional applications and systems combining audio/video, graphics and HMI.

Q7 Module comes with Linux (3.14 and 4.1 Kernel) and Android (Lollipop/ Marshmallow) BSP support.

Target applications for MAGIK2 Q7 SOMs are e.g. HMI units for machines and vehicles, Surround-View Systems, Industrial Tablets, Medical Display Systems, High End Home Appliances and Multimedia/ Infotainment applications in avionics or transportation.



For more information:

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Q7 Module Specification Overview

- Processor:
 - i.MX6 (Solo to Quad Core) (up to 1.2GHz)
 - ARM Cortex A9
 - GPU
- Graphics:
 - HD 1080p encode and decode
 - 2D and 3D Graphics Accelerator
- Memory:
 - eMMC: 4GB to 64GB
 - DDR3: Up to 2GB
 - EEPROM
- Real Time Clock
- 10/100/1000 Ethernet Phy
- 4 Port USB Hub

Q7 Carrier Board Interfaces

- x1 Gigabit Ethernet
- x2 USB
- x1 HDMI
- x1 Audio Line Out
- x1 CAN
- x1 RS232
- x1 SPI Header
- x1 PCIe (mini PCIe Slot)
- GPIO Header
- SATA Connector