

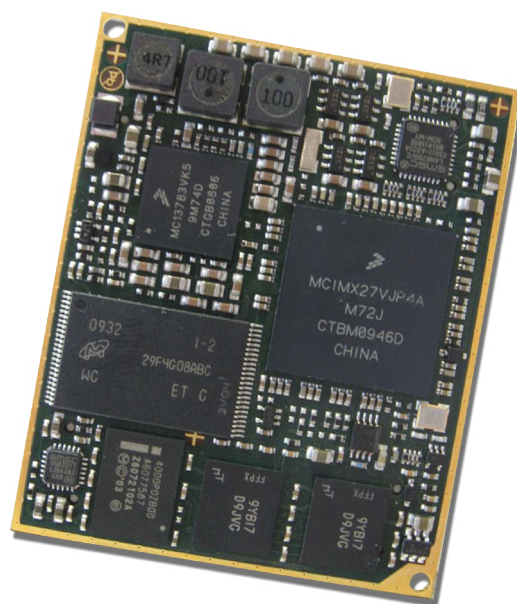
CM-i.MX27

i.MX Core Module

The Bluetechnix Core Module CM-i.MX27 is based on Freescale's i.MX27 multimedia applications processor. The CM-i.MX27 features a lot of connectivity options and provides robust security in mobile devices designs. Video streaming with superb image and video quality using the integrated Hardware Video Encoder and Decoder makes this Core Module an excellent choice for voice- and video-over-IP applications. Since all the connectivity components are already contained on the Core Module itself, using the CM-i.MX27 allows for very small footprint designs.

Features

CPU	Freescale i.MX27 (ARM926-S core)	
CLOCK	up to 400MHz	
RAM	128 MByte DDR SDRAM (up to 256 MByte)	
FLASH	512MByte NAND flash (up to 2 GByte)	
INTERFACES	CAMERA	1
	LCD	1
	ETHERNET	1x10/100 MBit Ethernet PHY
	I²S	2
	SDCARD	1
	SPI	2
	TWI/I²C	2
	UART	3
	USB 2.0	1 (OTG PHY)
	Video	H.264, MPEG-4, H.263 HW En-/Decoder
	Audio	Headphones, Microphone, LineOut
SOFTWARE	Linux Kernel 2.6.22 WindowsCE 6.0 (on request)	
VERSIONS	Connector, BGA (on request)	
TEMP. RANGE	0°C to +70°C	
DIMENSIONS	55x45mm	



Development Support

- » DEV-i.MX27/35 Development Board

Ordering Information

Order No.	Info
100-1411-2	CM-i.MX27-C-C-Q26S128F32N256 (CM-i.MX27C)

Target Applications

- » Low-Cost, Medium Performance Applications
- » Handheld Device Applications
- » Applications using Video functions (Voice/Video over IP)
- » Intelligent remote controls
- » Point of Sale terminals
- » Wireless applications

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