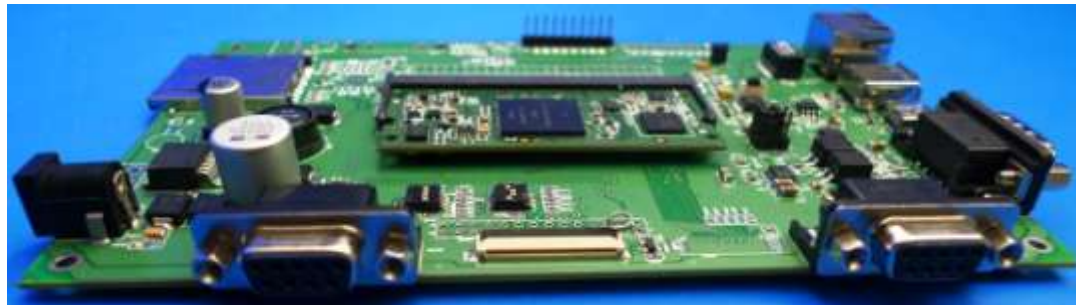


Where our **Products** empower you're **business**.

ECM-iMX25SODIMM



ECM-iMX25SODIMM – An Overview

Embedded Computing Module based on iMX25 Series of Microcontrollers give a jumpstart to solution developers. With host of inbuilt features, the solution developer needs to concentrate on the application rather than the basic design. The ECM has the Standard SODIMM interface which helps reducing the cost, as the Solution Board need not be multilayered.

The key features of the ECM are:

Low Cost Solution, Supports Both SODIMM 1.8V and 2.5V connector, Ready to use design – reduced time to market, Can be programmed through USB OTG/Serial, Windows CE 6.0 and Linux BSP available , EMI/EMC and RoHS Compliant Design

Application Areas:

Industrial Applications, Data Logging and Remote Display, Automotive Applications, Mobility Applications

ECM Series Modules are tested with Embedded Linux and Windows CE OS.

Specification

CPU	ARM926EJ-S, 266 - 400 MHz, 16 KB/16 KB Cache	MMC/SDIO	Yes/Yes
RAM	Up to 128 MB mDDR - 133MHz DRAM	AUDIO	Support for I2S or AC97 codec
FLASH	Up to 2 GB NAND Flash	CAN BUS	2
I2C	Yes	SPI	1 with 2 Chip selects
LAN	10/100 Mbps (on Board PHY)	1 Wire/JTAG Interface	Yes/Yes
LCD Interface	18bit RGB interface Up to 800x600	ADC	12bit ADC with 3 Channel
Touch Screen	4-wire/ 5-wire Resistive touch screen interface	GPIO	Dedicated 13 GPIO channels 6 - 3.3V Level 7 - 1.8V Level
Camera Interface	CCIR656 or direct CMOS sensor	RTC	On board RTC with 128Bytes battery backed up SRAM
Keypad	Dedicated 4x4 Matrix Keypad interface	Power Supply	5V +/-5%
UART	3- 4 wire 3.3v Universal Asynchronous Receiver/Transmitter	Supply Output	3.3V @600mA 1.8V @ 150mA
USB – Host	1 USB Host High-speed – 480Mbps	Power Consumption	< 1.25 W excluding output power
USB - OTG	1 USB On-The-Go High-speed – 480Mbps	Storage Temperature	-40°C to +85°C
		Operating Temperature	-40°C to +125°C

For more details

Email us at : sales@implantaire.com

Call us on : (+91) -821-4003008

www.implantaire.com



In the Box

ECM iMX257 SODIMM (default configuration) (iMX258 with Security Engine / iMX253 without CAN, CSI & Security Engine)
64 MB mDDR RAM with 256 MB NAND Flash (default configuration), Higher configuration of RAM and Flash memory can be supplied on request
Boot Loader (U-Boot) pre installed, BSPs Linux 2.6 and Windows CE on request
Standard Warranty
CD (Driver & Source Code)

Development Support (Optional)

Hardware development support package
Linux Diver support package
GUI support package
WinCE support package

For more details

Email us at : sales@implantaire.com

Call us on : (+91) -821-4003008

www.implantaire.com