

## MCB 214X BOARD / RV-ARM ALL IN ONE BOARD

Due to their tiny size and low power consumption, LPC 2148 is ideal for applications where miniaturization is a key requirement, such as access control and point-of-sale. Serial communications interfaces ranging from a USB 2.0 Full-speed device, multiple UARTs, SPI, SSP to I2C-bus and on-chip SRAM of 8 kB up to 40 kB, make these devices very well suited for communication gateways and protocol converters, soft modems, voice recognition and low-end imaging, providing both large buffer size and high processing power. Various 32-bit timers, single or dual 10-bit ADC(s), 10-bit DAC, PWM channels and 45 fast GPIO lines with up to nine edge or level sensitive external interrupt pins make these microcontrollers suitable for industrial control and medical systems.

The MCB214X Evaluation Board ships with an LPC2148 device. The Board contains all the necessary hardware components required in a single-chip LPC2148 based embedded system. The Keil MCB214X Evaluation Board allows one to generate and test application programs for the NXP LPC2148 microcontroller family. With this hands-on process, one can determine the hardware and software requirements for current and future product development.

RV-All In-One board is developed in similar lines with MCB2140 with additional peripherals and facilities. The following diagram of RV-All In-One board, summarizes the features,

