



Single-chip 16/32-bit Arm® microcontrollers; 128/256 kB ISP/IAP flash with 10-bit ADC and external memory interface

LPC2212FBD144

Not Recommended for New Designs

This page contains information on a product that is not recommended for new designs.

Last Updated: Apr 8, 2022

The LPC2212/2214 are based on a 16/32-bit Arm7TDMI-S™ CPU with real-time emulation and embedded trace support, together with 128/256 kB of embedded high-speed flash memory. A 128-bit wide memory interface and a unique accelerator architecture enable 32-bit code execution at maximum clock rate. For critical code size applications, the alternative 16-bit Thumb mode reduces code by more than 30 % with minimal performance penalty.

With their 144-pin package, low power consumption, various 32-bit timers, 8-channel 10-bit ADC, PWM channels and up to nine external interrupt pins these microcontrollers are particularly suitable for industrial control, medical systems, access control and point-of-sale. Number of available fast GPIOs ranges from up to 76 pins (with external memory) through up to 112 pins (single-chip). With a wide range of serial communications interfaces, they are also very well suited for communication gateways, protocol converters and embedded soft modems as well as many other general-purpose applications.

Remark: Throughout the data sheet, the term LPC2212/2214 will apply to devices with and without the /00 or /01 suffixes. The /00 or the /01 suffix will be used to differentiate from other devices only when necessary.



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