

NXP Microcontroller Solutions

A World of Possibilities

The Broadest Line of ARM core 32-bit microcontrollers

125+

Number of NXP 32-bit ARM microcontrollers shipping today!

Focus Markets:

- ▶ Industrial
- ▶ White Goods
- ▶ Mobile/PC Accessories
- ▶ Smart Metering
- ▶ Lighting
- ▶ Medical

65¢

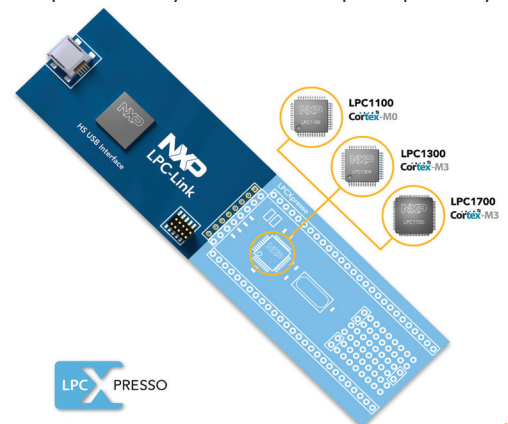
World's lowest cost 32bit MCU!

NXP Microcontroller Solutions

From the smallest 8-bit to the highest performing 32-bit ARM microcontrollers, we drive the industry as an innovation leader with our highly-integrated and cost-effective MCUs. Our leading ARM9/ARM7-based families have numerous, sophisticated integrated peripherals available. The industry's fastest microcontrollers based on the low-power, cost-effective ARM Cortex-M3 and Cortex-M0 cores are part of our exciting new LPC1000 family, running at speeds of up to 120 MHz and offering best-in-class performance and peripheral support. Our ARM-based Bluestreak families feature high-resolution integrated LCD controllers and provide System-on-Chip capability.

Leading the Way:

- ▶ **LPC1700** – the world's fastest Cortex M3 microcontroller
- ▶ **LPC1102** – the world's smallest 32bit MCU package in 2x2mm² CSP
- ▶ **LPC1100** – the world's lowest cost 32bit MCU starting at \$0.65
- ▶ **LPC3130** – the world's lowest cost ARM9 with High-Speed USB 2.0



Product Series	Core	Memory	Key Peripherals	Package options
LPC1100	ARM Cortex-M0	8KB-32KB Flash 2KB-8KB SRAM	ADC, CAN	CSP HVQFN LQFP
LPC1300	ARM Cortex-M3	8KB-32KB Flash 2KB-8KB SRAM	ADC, CAN, USB	HVQFN LQFP
LPC1700	ARM Cortex-M3	32KB-512KB Flash 8KB-96KB SRAM,	ADC, DAC, CAN USB, Ethernet, RTC, LCD	LQFP TFBGA
LPC2000	ARM7	2KB-1M Flash 8KB-98KB SRAM	ADC, DAC, CAN, USB, Ethernet, RTC, LCD	LQFP HVQFN TFBGA
LPC3000	ARM9	64KB-256KB SRAM 16KB - 32KB Cache	ADC, CAN, USB, Ethernet, SD/MMC, LCD	LFBGA TFBGA

100% ARM portfolio

- ▶ LPC1100 – Cortex M0 core
- ▶ LPC1300 – Cortex M3 core
- ▶ LPC1700 – cortex M3 core
- ▶ LPC2000 – ARM7 core
- ▶ LH7 – ARM7 & ARM9 cores
- ▶ LPC3000 – ARM9 core
- ▶ Coming soon – Cortex M4 core

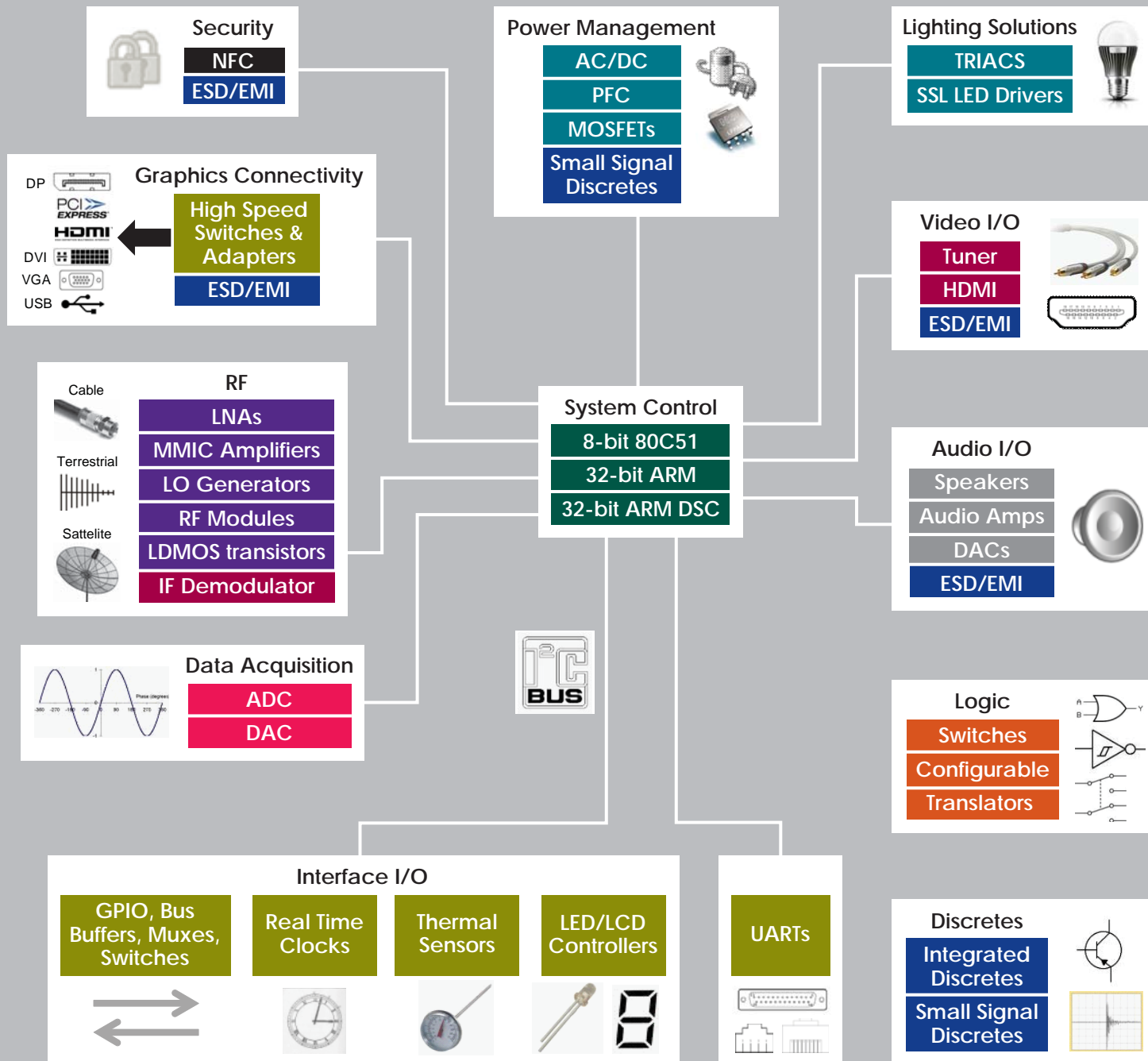
3 Levels of Support:

- ▶ Fully featured development tools from 3rd party vendors such as IAR, Kiel, Code Red and many others
- ▶ **mBed** – online rapid prototyping tool
- ▶ **LPCXpresso** – lowest cost fully featured development system supporting the Cortex product families for less than \$30.

For more information on Microcontrollers go to www.nxp.com/microcontrollers

www.nxp.com





- Microcontrollers
- Interface Products
- Small Signal Discretes
- Power Management
- Front End & MI
- Logic
- Audio
- Data Converters
- Identification
- RF

