

LPC407x/8x

ARM Cortex-M4

Up to 120 MHz
with NVIC, WIC, MPU,
Debug Trace (ETM)

Floating Point Unit

CORE

GPDMA

GPIO
Up to 165

USB PLL

CRC Engine

Power Management Unit

PMU, power modes, BOD, single
Vdd power supply, POR

Clock Generation Unit

12 MHz, 1% IRC OSC, 1-24 MHz
System OSC, System (CPU) PLL

SYSTEM

32-bit Timers (4)

WWDT

Real-time Clock
Battery pin, event recorder

Systick Timer

TIMERS

Flash

Up to 512 kB

SRAM

Up to 96 kB

EEPROM

Up to 4 kB

ROM

with ROM drivers

MEMORY

Multilayer Bus Matrix

Ext Mem Ctrl

SPIFI

Graphic LCD

FS USB 2.0

Ethernet MAC

CAN 2.0B (2)

SD/MMC

I²S (2)

Motor Ctrl PWM, QEI

SSP/SPI (3), I²C (3), UART (5)

INTERFACES

ADC

8-channel, 12-bit

DAC

10-bit

Comparator (2)

ANALOG