

Single-chip 16-bit/32-bit microcontrollers; 512 kB flash with ISP/IAP, Ethernet, USB 2.0, CAN, and 10-bit ADC/DAC

Manufacturers	NXP Semiconductor
Package/Case	LQFP-100
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LPC2387FBD100 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

LPC2387FBD100 is a microcontroller chip from the LPC23xx family, produced by NXP Semiconductors. LPC2387FBD100 is a 32-bit ARM7TDMI-S based microcontroller, which operates at a maximum clock frequency of 72MHz.

Features

- 512KB Flash memory
- 98KB RAM
- Ethernet MAC controller
- USB 2.0 full-speed device/host/OTG controller
- 10-bit ADC with 6 channels
- PWM channels
- UART, SPI, and I2C interfaces
- CAN 2.0B controller
- RTC (Real-Time Clock)

Application

- Industrial control and automation
- Motor control systems
- Data acquisition systems
- Gaming systems
- Audio and video processing systems
- Electronic point of sale (EPOS) terminals
- Smart card readers
- Mobile robots and drones



Related Products



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NXP Semiconductor
TFBGA296



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