



## PIC32MX4XXFXXX USB, CAN and Ethernet 32-bit Flash Microcontrollers

### General Description:

PIC32 family has established itself as a performance leader stemming from the highest DMIPs/MHz rated MIPS® M4K® core, highly efficient internal bus architecture, and advanced instruction caching. PIC32 MCUs offer a range of general purpose and integrated connectivity peripherals including Ethernet, CAN, and USB host/device/On-The-Go. Integrated flash memory ranges from 32K to 512K and on-board RAM ranges from 8k to 128k.



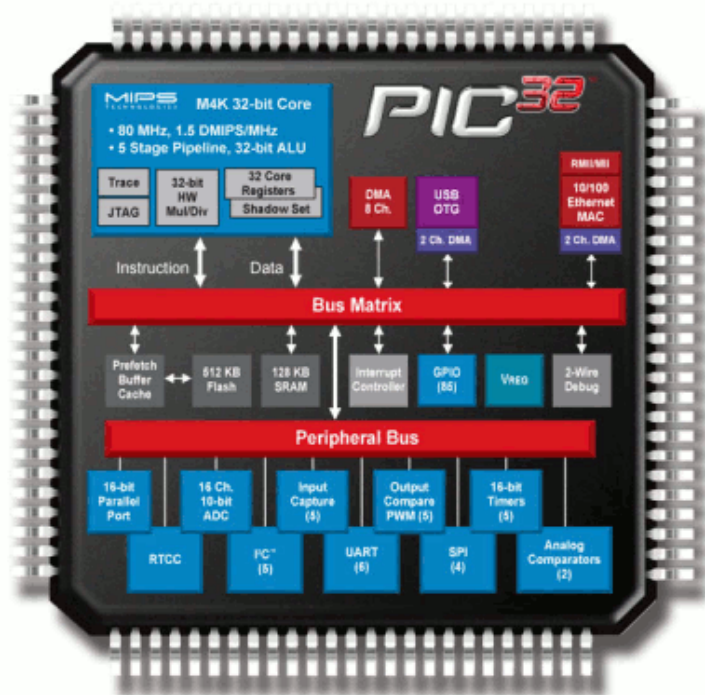
### Key Features:

Power your RTOS, Touch Screens and Complex Applications

- 80 MHz, 1.56 DMIPS/MHz MIPS M4K Core
- 32K-512K Flash with pre-fetch cache
- 8K to 32K SRAM Memory
- Fast interrupts and context switch

Simplify Your System Design Through Integration

- Extensive analog and digital peripherals
- USB Host/Device/OTG, Dual CAN, 10/100 Ethernet
- Up to 4 DMA channels
- 16-bit parallel master port



### Applications:

- Web Enabled Vending Machine
- Home Security Systems
- Wireless Handheld Unit
- Home Metering Gateway

- Wireless VoIP Intercom
- Ethernet-CAN Gateway
- IP Camera

## Related Products Information:

Mfr Part #	Farnell #	Newark #	Description
PIC32MX420F032H-40I/MR	1778943	25R8374	MCU, 32BIT, 32K FLASH, USB-OTG, 64QFN
PIC32MX420F032H-40I/PT	1640230	98M1932	32BIT,MCU,32K FLASH,USB-OTG 64TQFP
PIC32MX440F128H-80I/MR	1778944	11R7233	MCU, 32BIT, 128K FLASH, USB-OTG, 64QFN
PIC32MX440F128H-80I/PT	1778945	98M1933	MCU, 32BIT, 128K FLASH, USB-OTG, 64TQFP
PIC32MX440F128L-80I/BG	1778946	24R7115	MCU, 32BIT, 128K FLASH, USB-OTG, 121BGA
PIC32MX440F128L-80I/PT	1640231	98M1934	32BIT,MCU,128K FLASH,USB-OTG,100TQFP
PIC32MX440F256H-80I/MR	1740242	25R8375	MCU, 32BIT, 256K FLASH,USB-OTG,64QFN
PIC32MX440F256H-80I/PT	1778947	98M1936	MCU, 32BIT, 256K FLASH,USB-OTG, 64TQFP
PIC32MX440F512H-80I/MR	1778949	25R8376	MCU, 32BIT, 512K FLASH, USB-OTG, 64QFN
PIC32MX440F512H-80I/PT	1640232	98M1936	32BIT,MCU,512K FLASH,USB-OTG,64TQFP
PIC32MX460F256L-80I/BG	1778951	24R7117	MCU, 32BIT, 256K FLASH, USB-OTG, 121BGA
PIC32MX460F256L-80I/PT	1778952	98M1937	MCU, 32BIT, 256K FLASH, USB-OTG, 100TQFP
PIC32MX460F512L-80I/BG	1762654	52R2314	MCU, 32BIT, 512K FLASH, USB, 121XBGA
PIC32MX460F512L-80I/PT	1640233	98M1938	32BIT,MCU,512K FLASH,USB-OTG,100TQFP