

Spoločnosť Microchip uviedla nové MCU z rodiny PIC24FJ64GA104 a PIC24FJ64GB004.

Obe rodiny PIC24F disponujú *nanoWatt XLP extreme low power* technológiou, malým púzdom, a *mTouch* kapacitným snímaním.

Vlastnosti rodiny PIC24FJ64GA104

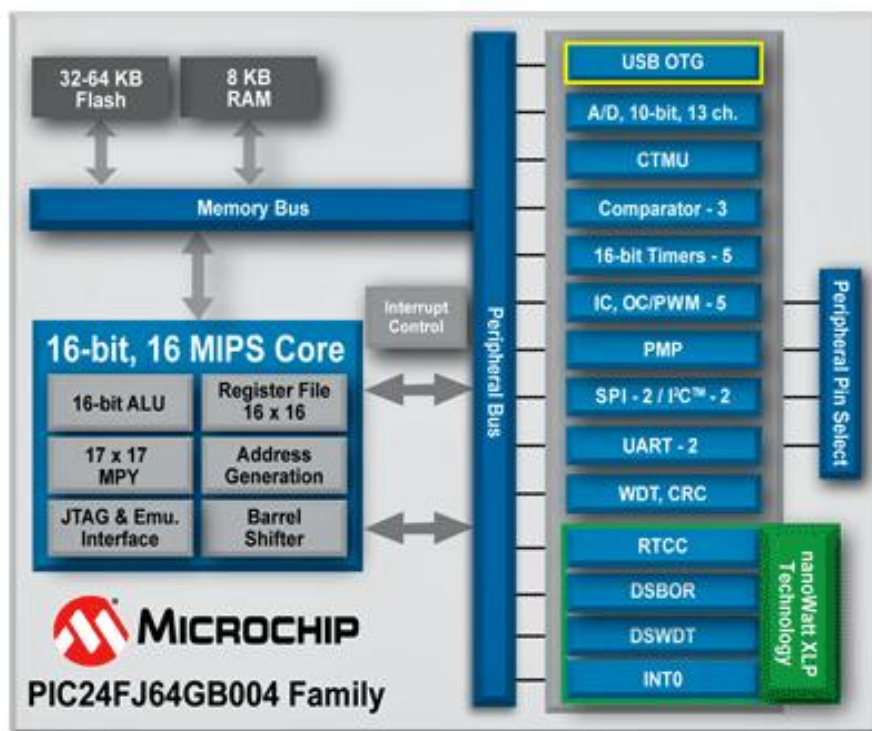
- Up to 16 MIPS performance
- 16 x 16 Hardware Multiply, Single Cycle Execution
- 32-bit x 16-bit Hardware Divider
- C Compiler Optimized Instruction Set
- Internal oscillator support – 31 kHz to 8 MHz, up to 32 MHz with 4X PLL
- On-chip LDO Voltage Regulator
- JTAG Boundary Scan and Flash Memory Program Support
- Fail-Safe Clock Monitor – allows safe shutdown if clock fails
- Watchdog Timer with separate RC oscillator
- Run, Idle and Sleep modes
- Deep sleep mode for lowest current consumption
- Multiple, Switchable Clock Modes for Optimum Performance and Power Management
- 10-bit ADC, 13 channels, 500k samples per second
- 3 analog comparators
- 2 UART Modules with LIN and IrDA support, 4 Deep FIFO
- 2 SPI Modules with 8 Deep FIFO
- 2 I2C Modules with Master and Slave Modes
- Five 16-bit Timer Modules
- Up to 5 Input Capture and 5 Output Compare / PWM, all with dedicated timers
- Hardware RTCC, Real-Time Clock Calendar with Alarms
- PMP, Parallel Master Port, with 16 Address Lines, and 8/16-bit Data
- Peripheral Pin Select for remapping digital peripherals to I/O
- Charge Time Measurement Unit (CTMU) for capacitive touch interface

Vlastnosti rodiny PIC24FJ64GB004 USB

- USB v2.0 On-the-Go compliant
- Dual role capable, can act as either Host or Device
- Low Speed(1.5Mb/s) and Full Speed(12 Mb/s) operation in Host mode

- Full speed USB operaton in Device mode
- Supports 32 endpoints
- On-chip USB transceiver

Blokové zapojenie rodiny PIC24FJ64GB004



Odkazy

[PIC24FJ64GA104 Family Data Sheet](#)
[PIC24FJ64GB004 Family Data Sheet](#)
[PIC24FJ64GA104 Homepage](#)
[PIC24FJ64GB004 Homepage](#)

Cena, dostupnosť

Cena začína od 2,12 USD (@10k ks) pre rodinu PIC24FJ64GA104, a od 2,32 USD (@10k ks) pre PIC24FJ64GB004 USB rodinu. Všetci predstavitelia týchto rodín, by už mali byť dostupný ako vzorky.

Distribúcia

[vid'. Adresár](#)