

Part Number: TDGL025 - chipKIT Cmod Development Board



TDGL025

The chipKIT™ Cmod is a development board in the chipKIT Platform line of tools from Digilent. It combines a Microchip® PIC32MX150F128D microcontroller with a convenient 600-mil, 40-pin DIP package and two Digilent Pmod connectors. This Cmod board is ideally suited for breadboards or other prototype circuit designs where the use of small surface mount packages is impractical. This little board takes advantage of the powerful PIC32MX150F128D microcontroller, which features a 32-bit MIPS processor core running at 40 MHz, 128K of flash memory, and 32K of SRAM data memory.

The board provides everything you need to start developing embedded applications using any of the chipKIT-compatible IDEs, but in addition, the chipKIT Cmod is also fully compatible with Microchip's MPLAB® X IDE. Note, however, that to develop embedded applications using MPLAB X, a separate device programmer/debugger, such as the Digilent chipKIT PGM ([TDGL015](#)) or the Microchip PICkit™3 Programmer ([PG164130](#)) is required.

Features:

- PIC32MX1xx
- 128KB Flash
- 32KB RAM
- 50 MHz operating speed
- PPS, two SPI, two I2C, and two UART connectors
- 13 channel 10-bit ADC
- 33 available I/O pins
- 3.3V operating voltage
- 13 analog inputs
- Two 12-pin Pmod connectors
- Convenient 600-mil 2x20-pin DIP package
- Two user LEDs
- Programmable with MPIDE
- Also programmable with MPLAB IDE (with the addition of the PICkit 3 in-system programmer/debugger)