

ProtoDev – 64 V1.0



The ProtoDev-64 is a compact and feature rich development PCB designed for the hobbyist and professional. Supporting specific 64 PIN TQFP packages, the ProtoDev – 64 offers a cost effective, practical solution to PIC embedded development. Delivered fully assembled (PIC Included) and capable of supporting both standard F and J type PIC devices for the 18 Fxx families. The PCB has 2 power supplies (3v3 and 5 Vdc), RS 232 to USB emulation (MCP2200), ICSP, ICD, Reset button, 2 Push Button switches, 2 LEDs and a watch crystal for

additional timing applications.

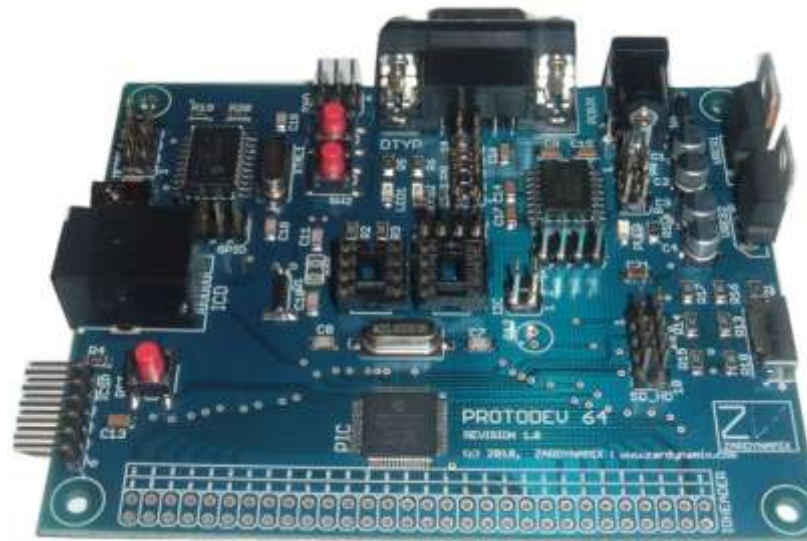
The ProtoDev 64 offers dual and independent comports one supporting standard RS232 interfacing and the second uses the MCP2200. This enables the PCB to be used as a host or system management module as the dual comports enable communications with a PC IE USB and the RS Protocol interface enables communication with RS 485 or legacy systems.

The hosted device can be programmed using an ICSP or ICD compatible on PCB socket or header.

All PIC I/O is tracked to the connector strip and labelled, additional features include a MICRO SD card slot, sockets for RTC and I2C based devices.

ProtoDev Features

Power Supply	3V3dc	5Vdc
PICs	PIC18FJ90	PIC18F6410
		PIC18F6722
Programming	ICSP and ICD 2 compatible interfaces	
Communications	<ul style="list-style-type: none">MCP 2200 232 USB toMAX 232 Driver for Standard RS232 Protocol	
I/O	2 LEDs + 2 Push Buttons	
PIC Support	28 PIN DIP 40 PIN DIP	
Families	F: 16Fxx 18Fxx J:18FXX	
Oscillator	8Mhz Crystal Watch crystal	
Data Storage	Micro SD Card Slot	
	Socket for 8 PIN I2C Type memory Device	
Data Logging	8 IN DIP IC holder for RTC	



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