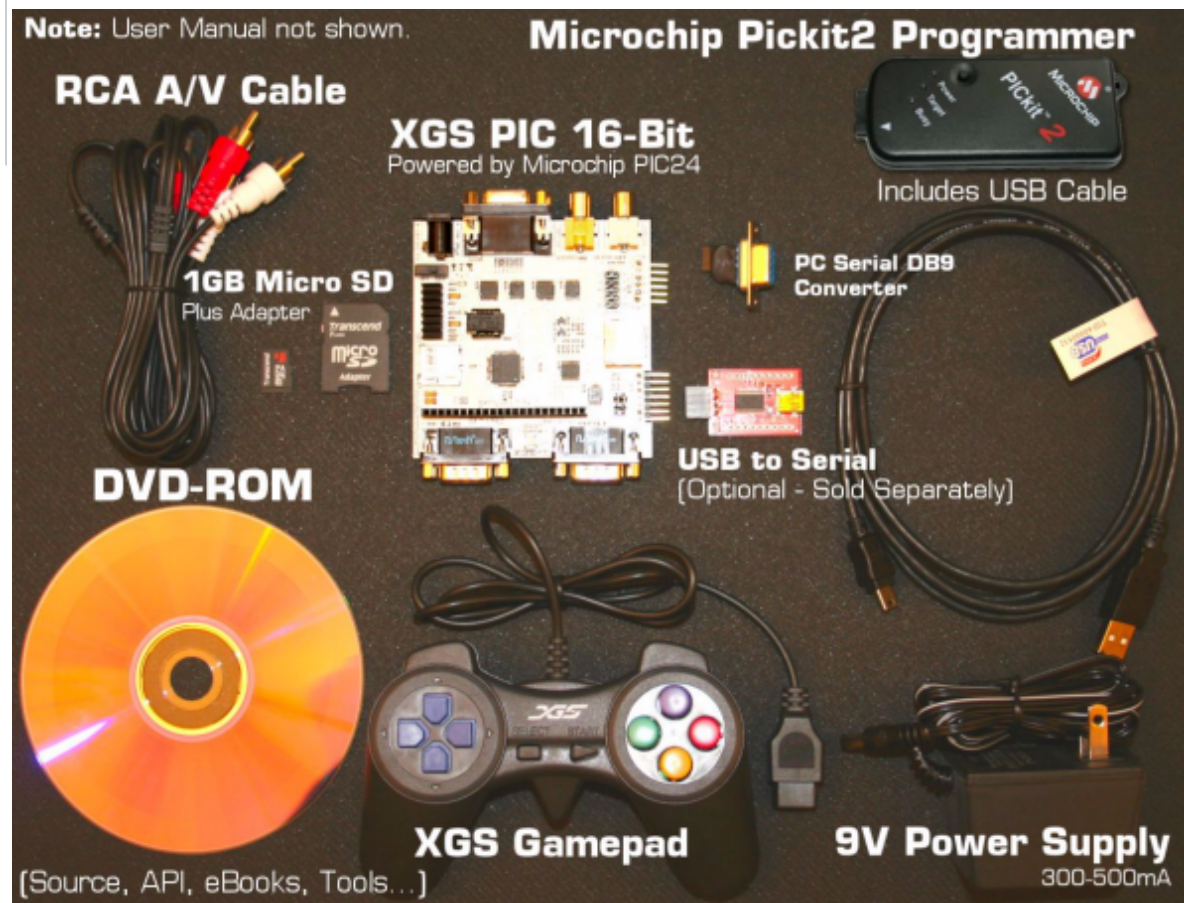
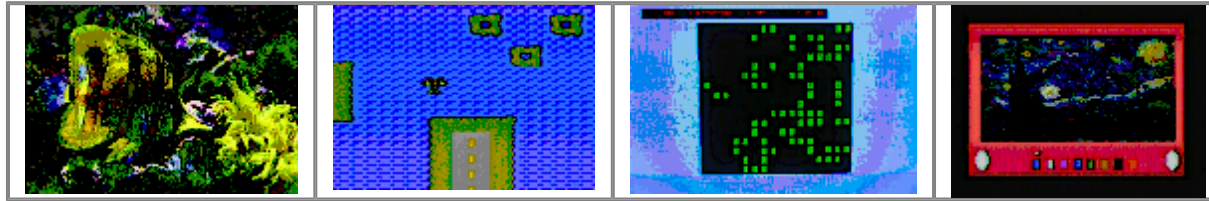


XGS PIC 16-Bit Development System

Part Number: TDKXGS16

Note: User Manual not shown.





Description:

The XGS PIC 16-Bit is based on Microchip's new 16-bit PIC24 processor and is a highly integrated development kit for exploring Microchip's 16-Bit microcontrollers in a fun and engaging way. On the other hand, the XGS PIC 16-Bit is designed to be a serious PIC24 16-Bit development kit for schools, students, engineers and anyone interested in learning PIC programming.

Also included in the kit is the printed book "Inside the XGS PIC 16-Bit". This enormous user manual and programming guide takes you from opening the box, installing the tool chain, to developing applications yourself in no time! The book begins with discussions of the hardware of the XGS PIC 16-bit for those more technically minded, then the book traverses the many APIs and libraries we have developed for you to program the XGS PIC 16-Bit yourself. All libraries are written in easy to understand C/C++ with ASM drivers for heavy lifting like graphics and I/O. Fear not though, there are numerous examples and demos that show how to use the XGS PIC 16-Bit to its fullest potential included graphics, sound, games, keyboard, SD interface, serial communications and much more. The main board has the following features:

- PIC24 16-bit next generation processor with 256K FLASH / 16K SRAM running at over 40 MIPS!
- 3.3/5V Dual Supplies.
- VGA.
- NTSC/PAL with color generation helper hardware.
- Micro SD card interface.
- Serial port.
- ISP and JTAG programming ports.
- PS/2 keyboard/mouse port.
- Expansion port header exporting numerous I/O, power, and signal lines for experimentation.
- 3.3/5V internally regulated supplies.
- Two game controller ports (Nintendo compatible).

The XGS PIC 16-Bit kit gives customers a fun way to learn PIC programming in the context of graphics, audio, and simple game development. So instead of blinking LEDs and displaying digits on a 7-segment display, customers will develop graphics applications that control the VGA and NTSC screen to learn PIC C and ASM. The kit is extremely competitive and comes with the following items in the bundle:

- 325+ page printed manual covering hardware, software, and numerous programming tutorials.
- Pickit2 programmer + USB cable.
- 9V Power supply.
- A/V cable.
- XGS Game controller.
- DB9 PC serial port to XGS header converter.
- DVD-ROM with numerous examples and complete driver library Including; Graphics, Sound, Keyboard, SD card, Serial Communications, Mechatronics, and lots more.
- Bonus materials on DVD-ROM include electronic copies of numerous game development and electronics gaming hardware books.