X-keys®SE Keyboard Matrix Control Board USB (XFPB-25-US)
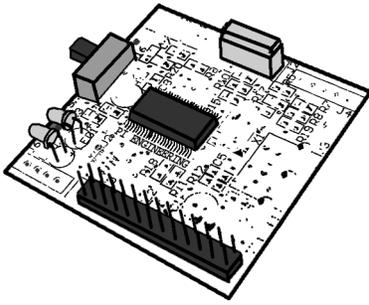

- 128 Programmable Matrix Points
- Input connection: 30 pin, 0.1", two row header
- Output connection: USB plug
- Includes X-keys Macro Works Software
- Perfect for building your own custom control panel

The **X-keys USB Matrix Control Board** utilizes the same proven hardware as the X-keys Programmable Keyboards. Your custom switches or keys connect to the board via a standard two row header with 0.1" pin spacing. Any switch, even toggle and rotary switches, can be connected to the matrix. The included X-keys Macro Works software records key commands from the keyboard and sends them to applications on the computer. Any sequence or combination of keystrokes from a standard keyboard may be assigned to any switch on the matrix. Mouse commands (click, scroll, cursor movement) may also be programmed and programming files may easily be copied, shared, and locked to prevent alteration.

Developers may use our SDK to gain exclusive access to data from all 128 matrix points in the USB HID location we specify. The USB X-keys may also be operated in Memory Resident Mode, saving all programming in an onboard non-volatile memory and emulating the PC keyboard port (PS/2) version of the X-keys.

Specifications

Operating System	Windows 98SE, Me, 2000, XP
Included Software	Macro Works (required for programming and operation)
Input Connector	0.1" double row, 30 pin female header receptacle (not included)
Output Connector	USB "A" plug (included)
Dimensions	2" x 2" x 0.5", (50.8mm x 50.8mm x 12.7mm)
Weight	2.56 oz. (73 grams)
Power Consumption	Low power USB device, less than 15 ma @ 5 vdc
Power Source	USB port power, nominal voltage = 5 vdc
In Memory Resident Mode	
Hardware System	Any architecture supporting USB, including Sun, SGI, and HP workstations
Operating System	Programming requires driver (included) for Windows 98, Me, 2000, XP. Operates on any OS supporting USB including Unix, Sun and Mac OS-X
Memory Capacity	Each matrix point is allocated 3 characters and a pool of 560 additional keystrokes is available to any switches requiring additional characters
Memory Type	EEPROM, non volatile memory (X-keys retains memory for over 200 years)
Number of Layers	2 layers – user selectable toggle and/or shift keys (second layer gives 127 switches 2 possible functions)

Specifications subject to change without notice