

X-keys® XKE-128 Specifications

for XK-1225-UFK128-R



- 128 programmable keys
- Clear, removable key caps for applying and changing legends
- Includes programming software for Windows and Mac
- Free software development kits for developers
- Two color addressable backlighting (red and blue)

The X-keys XKE-128 features 128 keys with independent backlighting. MacroWorks 3.1 software for Windows and ControllerMate software for Mac OS X combine ease of programming with a wide and flexible range of options. P.I. Engineering's Pi3 firmware supports direct communication for the software developer and our new reflector feature sends messages to even the most reluctant software. The XKE-128 may also be configured as a standalone USB keyboard with macros programmed in onboard non-volatile memory.

Free software development kits support all input and output data. Our SDK includes examples for C#, C++, and VB.NET and a separate SDK for Linux. Unique unit ID supports multiple units on the same system.

Specifications

Operating System	Use: Any OS via USB HID Programming: Windows XP through 10, Mac OS X 10.4 through 10.10
Free Programming Software	Windows: MacroWorks 3.1 Mac: ControllerMate for X-keys
Free Software Development Kits	Windows (C++, C#, VB.NET), Linux (C++), Android (Java), raw HID (any language/OS)
Emulation Modes	HID keyboard, HID mouse, HID game controller
Switch Type	Full-travel rubber dome, carbon on gold contacts, guaranteed for over 1 million operations
Number of Keys	128 single keys + programming button
Actuation Force	Approx. 2.5 oz (72g) break-over, approx. 1.5 oz (42g) hold
Key Cap Type	Relegendable with Cherry MX compatible stem
Key Cap Size	.625" (16mm) sq.
Key Spacing	0.75" O.C.
Optional Keys	2x1, 1x2, and 2x2
Backlighting	128 blue and 128 red LEDs, individually addressable
Connector	Wired USB 2.0 standard "A" plug
Cord Length	56" (1.42 m)
Dimensions	14" x 7.3" x 1.8" (279mm x 185mm x 46mm)
Weight	62 oz. (1.7 g)
USB type	USB 1.1 (compatible through 3.0)
Power Source	USB port, nominal voltage = 5 VDC
Current Draw	No backlight: 37 mA , Blue backlight full: 176 mA, Red backlight full: 265 mA, All backlights full: 358 mA
Temperature Range	-20 to 60 C
Memory Capacity	Approximately 21,000 keystrokes or commands in onboard memory
Humidity	80% Rh non-condensing
Environmental Rating	IP 40, typical indoor office environment
Certifications	FCC class B, CE, RoHS, WEEE compliant

Specifications subject to change without notice

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