

# 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
- 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 combines the 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

<b>Operating System</b>	Use: Any OS via USB HID   Programming: Windows XP through 10, Mac OS X 10.4 through 10.10
<b>Free Programming Software</b>	Windows: MacroWorks 3.1
<b>Free Software Development Kits</b>	Windows (C++, C#, VB.NET), Linux (C++), Android (Java), raw HID (any language/OS)
<b>Emulation Modes</b>	HID keyboard, HID mouse, HID game controller, HID multimedia
<b>Switch Type</b>	Full-travel rubber dome, carbon on gold contacts, guaranteed for over 1 million operations
<b>Number of Keys</b>	128 single keys + programming button
<b>Actuation Force</b>	Approx. 2.5 oz (72g) break-over, approx. 1.5 oz (42g) hold
<b>Key Cap Type</b>	Relegendable with Cherry MX compatible stem
<b>Key Cap Size</b>	.625" (16mm) sq.
<b>Key Spacing</b>	0.75" O.C.
<b>Optional Keys</b>	2x1, 1x2, and 2x2
<b>Backlighting</b>	128 blue and 128 red LEDs, individually addressable
<b>Connector</b>	Wired USB standard "A" plug
<b>Cord Length</b>	118" (3 m)
<b>Dimensions</b>	14" x 7.3" x 1.8" (279mm x 185mm x 46mm)
<b>Weight</b>	4.7 lbs (2.13 kg)
<b>USB type</b>	USB 1.1 compatible through 3.0 Type-c with adapter
<b>Power Source</b>	USB port, nominal voltage = 5 VDC
<b>Current Draw</b>	No backlight: 37 mA, Blue backlight full: 176 mA, Red backlight full: 265 mA, All backlights full: 358 mA
<b>Temperature Range</b>	-20 to 60 C
<b>Memory Capacity</b>	Approximately 21,000 keystrokes or commands in onboard memory
<b>Humidity</b>	80% Rh non-condensing
<b>Environmental Rating</b>	IP 40, typical indoor office environment
<b>Certifications</b>	FCC class B, CE, RoHS, WEEE compliant

Specifications subject to change without notice

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