

# X-keys® USB LCD Keypads



- Perfect for card and PIN entry
- 16 keys with LED indicators
- Two line LCD display with 16 characters per line
- Available with mag strip, or bar code card reader
- Exceeds capabilities of older RS 232 key pads
- Supports multiple units on the same system
- Direct software control over all functions

P.I. Engineering offers three versions of the **X-keys USB LCD Keypad**: with Magnetic Strip Card Reader (**XLCD-180-TK12**), with Bar Code Card Reader (**XLCD-181-LED**), and without a card reader (**XLCD-178-WO**). All three connect to your system via USB port.

P.I. Engineering's Software Development Kit offers the developer complete control over every aspect of input and output for the device.

Each key has a red LED visible through the key cap with all key and LED states available through the SDK. Clear key caps hold custom printed legends in place and give the keypad a professionally finished look. Built-in beep option provides feedback on key press, LCD write, or successful card swipe. More detailed information available in the readme and help files of the SDK included on the CD or downloaded from the Developer's Corner section on our web site, [www.xkeys.com](http://www.xkeys.com).

## Specifications

<b>LCD Display</b>	16 text characters x 2 lines, .25" (6mm) H characters
<b>Key Caps</b>	16 keys with clear caps for custom legends (other options available)
<b>Switch Type</b>	Cherry MX switches with red LED indicator
<b>Included Software</b>	X-keys SDK for Visual Basic, Visual Studio, C++, and Visual C++
<b>Bar Code Reader</b>	Full ASCII Code 39, Interleaved 2 of 5 Code, 2 of 5 Code, EAN 8 and EAN 13 UPCE and UPCA, Code 128, CODABAR, Code 93, Code 11
<b>Magnetic Strip Reader</b>	ISO 7811 standard track 1 and track 2
<b>Connector</b>	USB "A" plug
<b>USB type</b>	Compatible with USB 1.1 through 2.0
<b>Dimensions</b>	4.13 x 7.28 x 1.57 inches (105 x 185 x 40 mm)
<b>Cord length</b>	9.8' (3 m)
<b>Weight</b>	0.85 lbs (0.36 Kg)
<b>Power Source</b>	USB port power, nominal voltage = 5 vdc
<b>Power Consumption</b>	W/O reader: Low power USB device, less than 85 ma @ 5 vdc
	W/mag strip reader: Low power USB device, less than 95 ma @ 5 vdc
	W/barcode reader: High power USB device, less than 120 ma @ 5 vdc
<b>Warranty</b>	1 yr repair or replacement on hardware

Specifications subject to change without notice

### P.I. Engineering

101 Innovation Parkway, Williamston, Michigan 48895-1663  
 Phone: 800/628-3185 or 517/655-5523, Fax: 517/655-4926  
 E-mail: [info@piengineering.com](mailto:info@piengineering.com), Web: [www.xkeys.com](http://www.xkeys.com)