LK1600 Series

Programmable Keyboards

- 120 key, programmable alphanumeric keyboard
- Optional integrated credit card reader
- All 120 keys are programmable; 38 keys are relegendable with transparent key caps
- Multiple layers of key definitions and multiple shift levels
- Keylock switch for layer selection
- Programmed with a powerful Windows-based programming utility software
- Create program layout for multiple keyboards – programming utility saves templates as data files
- Programmable inter-character and inter-string time delays
- Patented wedge port technology to daisy chain barcode scanner and/or other external keyboard devices
- Full travel, tactile key switches
- Programmable without special programming switches, programming kits, TSR programs or the need for internal batteries
- PS2 or USB interface
- Includes cable and Windows programming utility

Ideal for Many Applications

Only 16 inches (405 mm) wide, the LK1600 can fit in almost any workstation area. It includes an alphanumeric keyboard with a full compliment of 55 function and numeric keys and an optional magnetic stripe reader. Furthermore, the unit also has a PS/2 I/O port to enable the daisy-chaining of other input devices such as a scanner or check reader. The LK1600 programmable keyboard is thus an ideal solution for the retail, hospitality, travel, banking, and insurance industries.

Easy and Advanced Programming

The LK1600 is one of the easiest and most programmable keyboards on the market. All 120 keys are programmable and 38 keys are relegendable with transparent key caps. Using a powerful Windows-based programming utility that stores key definitions in a data file, an integrator can create a program layout for multiple keyboards, rather than programming key by key, keyboard by keyboard. The keys can be programmed with multiple shift levels to further increase the number of effective programmable keys, and a key lock switch is used to select the program layer – e.g., manager override, department 1, department 2, etc.

Works with All Systems

Since the LK1600 comes with either a PS/2 or USB interface and is supported by both OPOS and JPOS drivers, it can be used on just about any Windows or Linux-based system. The LK1600 supports a true keyboard wedge function and can operate with or without another computer keyboard.

logic controls
A Bematech Company

LK1600 PROGRAMMABLE KEYBOARD SPECIFICATIONS

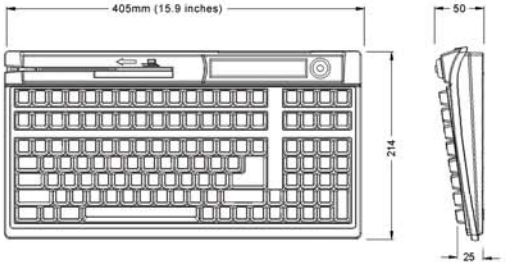
MECHANICAL

Weight: 3.0 lbs (1.4 Kg)

Keys: 120 Full Travel keys
38 Relegendable keys
Greater than 50 million cycles

MSR: (optional) 2 tracks, optional 3 tracks
>1,000,000 passes

Dimension (mm):



ELECTRICAL

Input voltage (from computer):
+5.0VDC, +/- 5%
Ripple & noise < 200mvpp

Current: LK1600 - 25ma
LK1600M - 50ma

ENVIRONMENT

Operating Temp.	0°C to +50°C
Storage Temp.	-20°C to +60°C
Relative Humidity	
Operating	85% max. non-condensing
Non-operating	90% max. non-condensing
Vibration	4G's at 10 to 55 Hz.
Shock	40G's

INCLUDED PARTS

LK1600/M/MT Programmable POS keyboard
LK1600-to-computer cable
Programming software & Instruction Manual Disk
Blank key legend labels

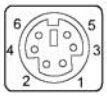
INTERFACE

PS/2 Keyboard with wedge port, standard
RS232C, optional
USB, optional

Output data format: PS/2 - Scancode
RS232C - ASCII code
USB - USB keyboard code

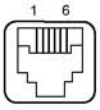
CONNECTOR PINOUT

PS/2 Keyboard Interface:



PS/2F
From downstream keyboard

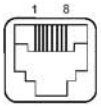
1	Keyboard data
2	No connection
3	Ground
4	+5VDC
5	No connection
6	Mouse clock



RJ11F
To PC keyboard & mouse ports

1	Keyboard data
2	Mouse data
3	Ground
4	+5VDC
5	Keyboard clock
6	Mouse clock

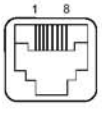
USB Interface:



RJ45-8F to PC USB Port

1	No connection
2	+5VDC from PC
3	Data D-
4	Data D+
5	Ground
6	Shell ground
7	No connection
8	No connection

RS232C Interface:



RJ45-8F to PC RS232 & mouse ports

1	RTS to PC
2	+5VDC from PC via mouse port
3	RX data
4	TX data
5	Ground
6	Mouse data
7	CTS from PC
8	Mouse clock

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