

Programmable Keyboard KB40

General

KB40 is mechanical fully programmable keyboard; Black; USB interface.

KB40M is membrane keys fully programmable keyboard; Black; USB interface.

Optional: Magnetic card reader module (MSR).

Feature

- Any adjacent two keys can be defined to be a double fold(1*2) key, any four adjacent single key can be defined to be a four fold(2*2) key.
- Various function combination keys can be set arbitrarily, each key can be programmed up to 180 characters in a single layer.
- Support function of "True status lock", any key can be defined as Num lock, Caps lock, Scroll lock, Shift, Ctrl, Alt, Esc, F1, Caps lock and so on.
- Provide "multi-layer key" function, keyboard can be defined through the layer to cooperate with POS management software for hierarchical privilege management or expand the number and function of keys. Each key can define up to 15 switching layers, making POS operation more flexible and changeable.
- 100 years data retention without additional battery
- EMC radiation meets Class B requirements, antistatic design(Refer to GB 4943、GB/T 1762)

Specification

Physical Properties	
Main Material	ABS
N.W	With MSR: 560g/PCS;12.5kg/CTN Without MSR: 400g/PCS;9.5kg/CTN
Cable	0.4M(Customized)
Electrical Specification	
Working Voltage	DC+5V $\pm 10\%$
Working Current	$\leq 150\text{mA}$
Insulation Resistance	$> 50\text{M}\Omega$
Contact Resistance	$< 1\text{K}\Omega$
Keyboard Feature	
Key	Cherry Mechanical switch / Membrane
Conductivity	$60 \pm 5\text{gf}$
Initial Strength	40gf
Total Stroke Strength	$60 \pm 5\text{gf}$
Key Pressure	$55 \pm 10\text{g}$
Pre-stroke	$2.0 \pm 0.3\text{mm}$
Total Stroke	4.0mm

Key Lifetime	Cherry Mechanical switch:50 million times Membrane: 10 million times;
Support Interface	USB
Operating System	DOS, Win9X, Me, Win2K,XP ,Win7,Win8,Win10
MSR Specification	
Accord to ISO7811 AAMVA,JIS/ II	
Swipe Speed	10-120cm/s
Head Lifetime	≥50 0000times
Coercivity Range	300-4000 Oe
The Density of Magnetic Stripe	Track 1--210BPI with max 76 characters
	Track 2--210BPI with max 104 characters or 75BPI with 37 characters
	Track 3--210BPI with max 104 characters
Track	1 or 2 or 3 track; 1,2track; 2,3track; 1,2,3track
Power Supply	DC+3.3V
Environmental Characteristics	
Working Temperature	0±45℃
Working Humidity	10%-- 90%
Storage Temperature	-20 ±50℃
Atmosphere	86-106kpa

Picture

