

Specification

MKB40MS/U&MKB40S/U

LIFPOS P/N MKB40MS/U

☐ R&D

☒ Mass Product

Summary

LIFPOS MKB40 serials are the kind of fully programmable keyboard, Black color, USB interface.

There are following configurations for option

- Normal mechanical switch or Cherry switch;
- Magnetic card reader;
- The numeric zone.
- OPOS;
- JPOS;

Model	Communication Interface	OPOS	JPOS	Cable
MKB40MS/U	USB-Keyboard	NO	NO	0.4M USB CABLE
MKB40S/U	USB-Keyboard	NO	NO	0.4M USB CABLE

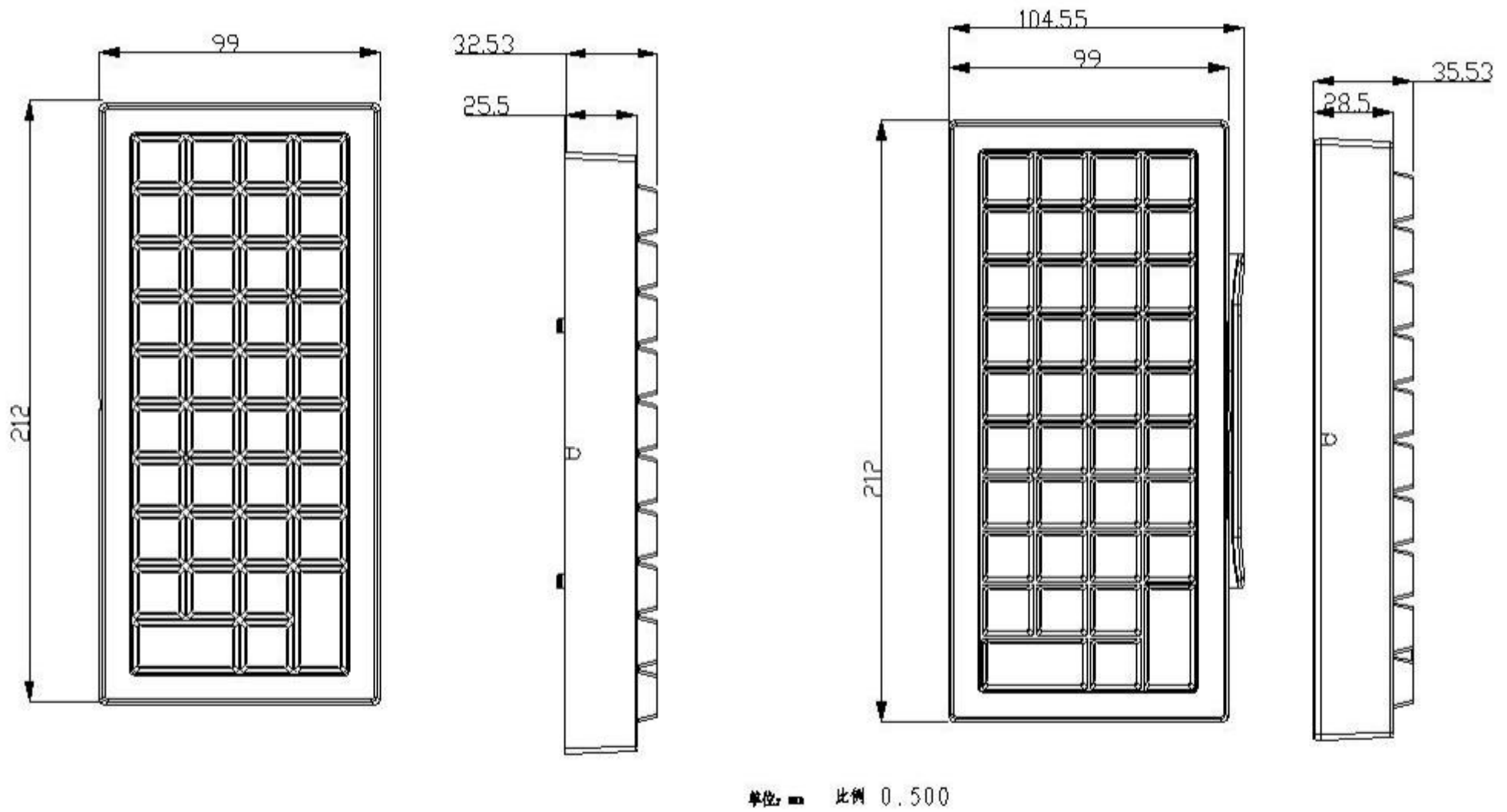


Without Magnetic Card Reader



With Magnetic Card Reader

Dimension



Key Features

- Main Material: ABS
- 5000,000 times press
- 40 keys fully programmable keys, 10 * 4 matrix
- All keys are made from mechanical key switches, good tactile feelings
- Magstripe reader settings are programmable by Matrix Maker
- Programmable functions are powered by the Matrix Maker
- With internal strong metal plate to enhance the protection against ESD is increased
- EMC radiation meets Class B requirements, antistatic design (Refer to GB 4943、GB/T 1762)
- Different releagendable keycaps (1 fold, 2 fold and 4 fold) are available
- Numeric profile keycaps are available
- Non-detachable cable, Direct outlet

Programmable Features

- Powered by Matrix Maker, our programmable software running under Win7, Win8, Win10 and Win11
- Support OPOS, JPOS and UPOS
- All keys can be programmed with unlimited characters
- All data can be retained for no less than 100 years without additional battery
- Does not require a TSR program and hence avoids application software crashes
- Supports multi-layer programming,Up to 16 layers, Max to 180 Characters for one single layer
- Provides for a variable time delay of up to 255 seconds in each programmed string
- Provides true keyboard wedge function that operates with or without the normal computer keyboard connected
- Provide a true Caps/Scroll/Numeric Lock function independent of any other keyboards being connected
- Our keyboard can run under DOS, Win9X, Me, Win2K, XP, Win7, Win10, Win11

MagStripe Reader Features

- 500,000 swipe cycles
- Comply with ISO 7812, IBM standards, AAMVA, JIS-2
- Coercivity range: 300-4000 Oe
- Support multi-country code settings
- Support programmable MSR setting for the header, tailor, separator, suffix and prefix, track sequence
- Track 1: 210BPI with max 76 characters
- Track 2: 210BPI with max 107 characters or 75BPI with max 37 characters
- Track 3: 210BPI with max 107 characters
- Card swipe speed: 10 to 120 cm/s; Speed:3-125 ips at 75 BPI; 3-50 ips at 210 BPI
- Power Supply: DC+3.3V

Technical Data

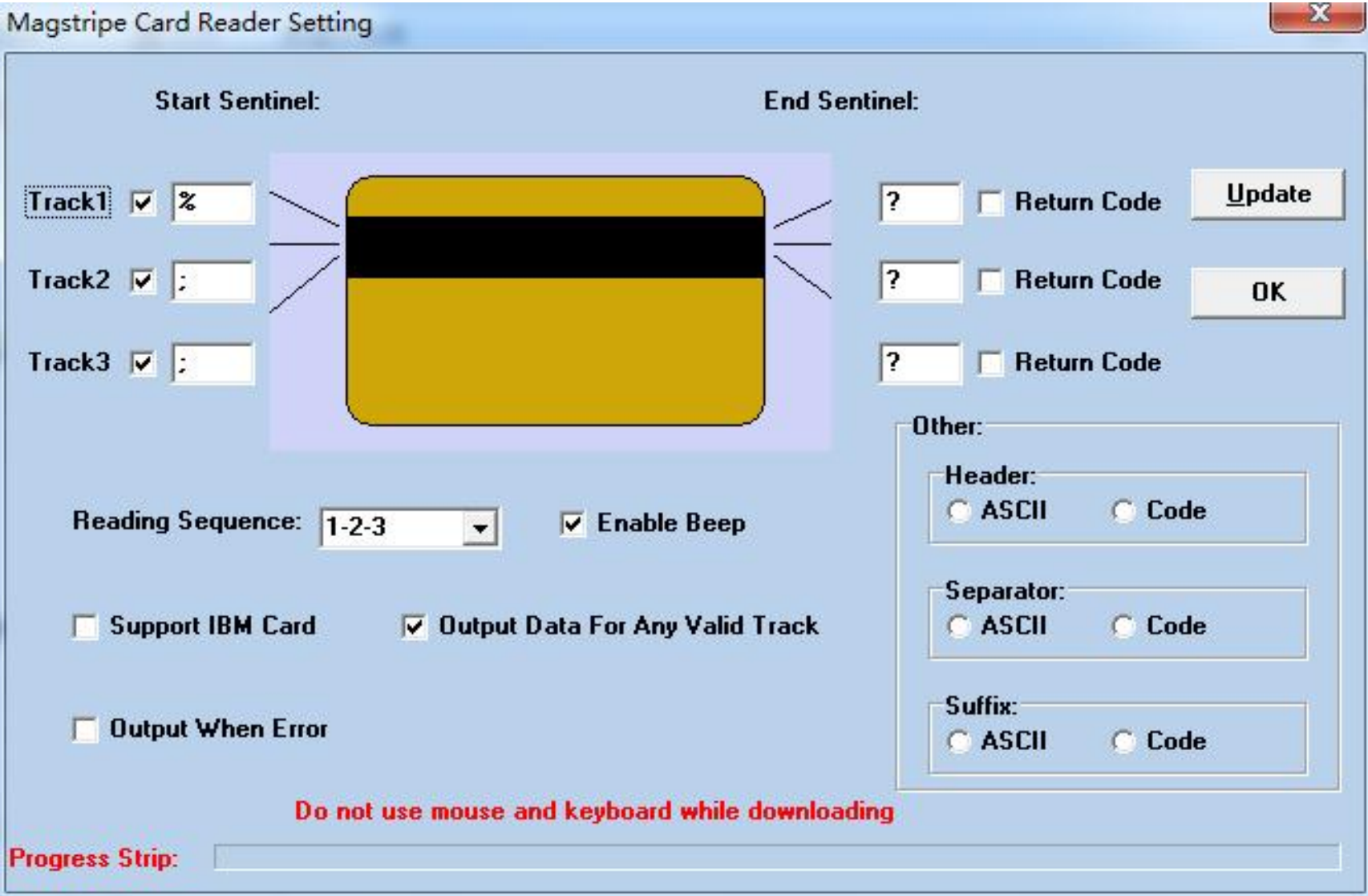
Electronics	Power supply: +5V/DC ±5%
	Current input: ≤150mA
Mechanical	Total stroke force: 80±5gf
	Conduction force: 60±5gf
	Initial force: 40gf
	Total travel: 4.0 mm
	Pre-travel: 2±0.3 mm
	Peak load before make: 60±5gf
Others	Storage temperature: -20°C to +50°C
	Operating temperature: 0°C to ±45°C
	Operating humidity: 10% to 90%
	Insulation Resistance: >50MΩ
	Contact Resistance: <1KΩ
	Atmosphere: 86-106kpa

Packing Details

	With MSR	Without MSR
Keyboard	99*212*25.5(32.53)mm/560G/PCS	105.55*212*28.5(35.53)mm/400G/PCS
Inner Box	25*15*3.5 CM	25*15*3.5CM
Out Carton	440*356*270MM	440*356*270MM
	20PCS/CTNS	20PCS/CTNS
	N.W/G.W:11.5KG/12.5KG	N.W/G.W: 8.5KG/9.5KG
Cable	0.4M USB Cable	
Inner Box	1 x Keyboard MKB40 1 x small brown accessory box (40 PCS transparent lens; 1PCS blind spot lens; 5 sets1*2 fold keycaps &lens; 1 set 2*2 fold keycaps&lens) - Bubble bag + keyboard+ accessory box-	

SET Interface

- MSR



Keyboard

Parameter Setting

Keyboard Parameter

Keyboard Delay

Delay Time

1

Key Repeat

☐ Yes ☒ No

Ext Keyboard

☒ Yes ☐ No

Beep With PowerOn

☐ Yes ☒ No

Beep Setting

☒ Press With Sound

☐ Press Without Sound

☐ Only Programmed Key Beep Enable

Save Settings

Previous Menu

Factory Settings

KB40MS - MKB39.dat*

File Keyboard Diagnostic Language Help

Layer 0

A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P
Q	R	S	T
U	V	W	X
& 7	* 8	[9	NUM -
\$ 4	% 5	^ 6	NUM +
! 1	@ 2	# 3	ENTER
~ 0	STRING	> .	ENTER

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Progress Strip:

Version History

Date	Revisor	Version	Verifier	Remarks



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