

TECHNICAL DATASHEET

ESL2200 Series: Multifunctional Keyboard



ESL2200 multifunctional keyboard is an all-in-one terminal keyboard which integrates magnetic stripe & smart card technology, ideal for highly secure electronic debit transaction, user identification or password memory in banks, securities and POS system.

Features

- All-in-one smart keyboard largely save counter space.
- Magnetic stripe and smart card readers are designed in modules and can be inserted or replaced flexibly.
- Using Cherry MX keys based on gold cross-point technology, with good tactility.
- Two different key actions (key click/soft contact) available.
- Laser-engraved keycap symbols are wear-resistant and easy to clean.
- Manual swiping / landing contact for reading/writing.
- Automatic recognize ISO/IBM format, writing format set through command.
- Data be written in track 2 with 210BPI or 75BPI.
- Can be customized to read non-standard magnetic stripe data.
- Can read/write card made of any medium, including transparent magnetic card.
- Different international keyboard layout available, such as US/DE/GB/FR etc.

Technical Specification	
Data Format Standard	<ul style="list-style-type: none"> • IBM for passbook • ISO/ANSI for magnetic cards • ISO7816 for CPU card and memory card
Interface	<ul style="list-style-type: none"> • RS232 • PS/2 CT • 9600/4800/2400/1200 bps at option
Operation indication	<ul style="list-style-type: none"> • LED • Beeper
Reliability	<ul style="list-style-type: none"> • MTBF > 20000H • MTTR < 30 MIN
Manual feeding speed	<ul style="list-style-type: none"> • 20cm/s - 120cm/s
Service life	<ul style="list-style-type: none"> • Keyboard: min. 50,000,000 cycles for KP min. 20,000,000 cycles for SP • Magnetic stripe: min 500,000 swipes • IC card: min 500,000 insertions • SAM card : min 5,000 times
Power supply	<ul style="list-style-type: none"> • DC 5V \pm 10% • 300mA maximum
Working conditions	<ul style="list-style-type: none"> • 0°C ~ 40°C • RH 10% - 90% non-condensing
Dimensions	<ul style="list-style-type: none"> • (LxWxH) 450mm×210mm×60mm
Weight	<ul style="list-style-type: none"> • Approx. 1.6Kg
Housing	<ul style="list-style-type: none"> • Plastic PC, Ivory color

Model description

2200 x1-x2-x3-x4

Type	X1	Interface	X2	Magnetic Tracks	X3	IC Card Reader	X4	PSAM
2200 Multifunctional Keyboard	R	RS232 Series port	4	1 & 2 tracks	0	No	0	No
			5	2 & 3 tracks	1	1	1	1
			6	1 & 2 & 3 tracks	2	2	2	2
							3	3

For example

ESL2200 R413

Keyboard, with RS232 series interface, 1/2 magnetic strips reader, 1 smart card reader module, 3 PSAM module.