

## Technical Specification: ESL2200



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

- IBM for passbook
- ISO/ANSI for magnetic cards
- ISO7816 for CPU card and memory card

### Interface

- RS232
- PS/2 CT
- 9600/4800/2400/1200 bps at option

### Operation indication

- LED
- Beeper

### Reliability

- MTBF > 20000H
- MTTR < 30 MIN

### Manual feeding speed

- 20cm/s - 120cm/s

### Service life

- 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

- DC 5V  $\pm$  10%
- 300mA maximum

### Working conditions

- 0°C ~ 40°C
- RH 10% - 90% non-condensing

### Dimensions

- (LxWxH) 450mm×210mm×60mm

### Weight

- Approx. 1.6Kg

### Housing

- Plastic PC, Ivory color

## Model description

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.