

Technical Specification: ESL2230



ESL2230 integrated smart card reader with keyboard, it is very compacted and suitable for many application related with smart card.

Technical Specification

Host interface

- Full speed USB (12 Mbps)
- Bus powered device

Keyboard

- 104 keys
- Membrane key with tactile feeling
- Key caps laser printed
- Autorepeat function
- Ergonomic requirements / standards

Smart Card Interface

- T=0, T=1 protocol support
- Memory card support through SCM MCARD API
- Communication speed up to 344,105 bps (PPS, FI parameter)
- Support ISO 7816 Class A and AB smart card
- Secure PIN entry via vendor specific IOCTLs

Smart Card Connector

- 8 contacts - ISO location
- Certified for 100,000 insertions
- Sliding contact

Human Interface

- Keyboard: 3 LEDs, Num Lock, Scroll Lock, Cap Lock
- Smart Card: One dual state green LED

Cable/Power

- Cable: 1.5m long with USB type A connector
- Power through USB Bus

Dimensions

- LWH 472 x 183 x 47.5 mm

Operating temperature

- 0° to 50° Celsius

OS

- Windows® 98, Me, 2000, XP, CE

API

- PC/SC
- CT-API (thru wrapper on top of PC/SC)

Approval

- FCC Class B part 15, cULus, CE
- USB
- Microsoft WHQL Me, 2000, XP
- EMV 2000 Level 1