

Technical Specification: ESL3000/ESL3200



Features

- Novel design at low-cost.
- Offering the enduser the choice of a serial or USB connection.
- Passing all computing and banking certifications such as Microsoft WHQL (Windows Hardware Quality Labs) and EMV (Europay, MasterCard, Visa).
- New transparent design.
- An intelligent approach.

Technical Specification

Host interface

- Plug and Play
Universal IC Card Reader [**Serial mode**]
- serial RS232
- programmable transmission from 9,600 to 115,200 bps
Universal IC Card Reader [**USB mode**]
- USB full speed (12Mbps)

Smart Card Interface

GemCore Pro hardware and firmware architecture:

- supports ISO7816 Class A, B and C (5V, 3V, 1.8V)
- supports all ISO7816 TA1 parameters (up to 344 kbps)
- reads from and writes to all ISO7816-1,2,3,4 microprocessor cards, T=0 and T=1 (memory cards support upon request)
- short circuit detection

Smart Card Connector

- 8 frictions contacts ISO location
- 10,000 insertion cycles
- EMV level 1 mechanically compliant
- embossed smart cards supported

Human Interface

- LED one Color (Green)

Standards / Certifications

- ISO/IEC 7816-1,2,3,4: IC Cards with Contacts
- EMV level 1, EMV 6 version 3.1.1 (EMV2000 under completion at printing time)
- Microsoft Windows Hardware Quality Labs (WHQL)
- USB 2.0 Full speed (ESL3200 Universal IC Card Reader in USB mode)
- CCID - Chip Card Interface Device - 1.0 (ESL3200 Universal IC Card Reader in USB mode)

Model description

Type	X1	Interface	X2	PSAM
3000 / 3200 Universal IC Card Reader	R	RS232 Series port	0	No PSAM
	U	USB port	1	1 PSAM
			2	2 PSAM
			3	3 PSAM

Note: For ESL3200, the PSAM module is not optional.

For example

ESL3000 R3

Universal IC Card Reader, with RS232 series interface, with 3 PSAM.