one stop turnkey **security solution**

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TECHNICAL DATASHEET

ESL3000 / ESL3200 Universal IC Card Reader

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 kbds) - 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

3000/3200 x1-x2

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.