one stop turnkey **security solution**

e-systems

e-Systems Ltd.
Entrepot Centre, Unit 4, 6/F.,
117 How Ming Street, Kwun Tong
Kowloon, Hong Kong

Phone: + (852) 2775 8620
Fax: + (852) 8343 5329

e-mail: info@e-sytems.com.hk
web: http://www.e-systems.com.hk

TECHNICAL DATASHEET

ESL2230 Professional Smartcard Keyboard

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, Fl 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