

ST4EX



MOBILE ID VERIFICATION TERMINAL

The new ST4EX mobile biometric verification terminal sets the standard for new generation chip-based identity card systems. The unique design adheres to the most demanding field operation requirements with its ruggedized exterior and long life battery. The built-in Secure Access Module supports the use of digital keys for card schemes requiring high-security while the GSM/GPRS module provides mobility for high-speed data transfer over a mobile network. With a TFT LCD panel, the ST4EX provides a user-friendly touch screen interface for multiple applications on a Win.CE platform.

Cartes Sesame Award Winning Design :For the best IDentification application

www.pradonetusa.com

ST4EX Technical Specifications



Smart Core Specification

Processor:
Display :

Intel PXA270 520MHz
3.5" TFT LCD transreflective, 262k color.
Viewable under sunlight. Built-in LED backlight
night or dim light viewing. Support touch screen.
Windows CE 5.0
128MB SDRAM, 128MB Flash

Operating system:
Memory:

Communication

Class 10 GSM/GPRS, 900MHz and 1800MHz
Transmit power: class 4 (2W) at GSM900
Class 1 (1W) at GSM 1800
GPRS multi-slot class 10, multi-slot class 2
supported, coding scheme- CS1 – CS 4

Voice:

Full rate, Enhanced Full rate, Half rate,
Adaptive multi rate
SMS : SMS MT, MO, SMS CB
Data/Fax : Data circuit asynchronous, transparent,
non-transparent

WLAN:
RF output power :
Operating frequency :
Data rate :

Fax group 3 compatible up to 14400 bits/s
Full compliance to IEEE802.11 b/g
13dBm - 16 dBm
2.412 - 2.484GHz
11 Mbps / 54 Mbps
Bluetooth ver1.2 class 2
USB1.1 host 12Mbps
USB1.1 Client 12Mbps
Serial RS232 . 115,200bps
IRDA – SIR type – 115,2 kbps

Memory card reader:

SD card – access speed 78Mbps at 4 bit data transfer mode

User Interface:
Smart Card Reader Std:
User Slot:
SAM / SIM Slots

Touch Screen and Buttons
ISO 7816 compliance
Landing Contact Slot w/ 200K duty cycle
SAM x 4 (1 embedded + 3 external
SIM x 1

Com Interfaces:
Expansion:
Audio:
External Battery:
Internal Battery (back-up):
Tamper-Proof Protection:
Operating Humidity:
Dimensions:
Weight:

RS232 x 1, IrDA, USB client
SD Slot, Compact Flash Slot(built-in)
Speaker and MIC, GSM hands free jack
2 x Li-ion 1000mAh or Li-polymer 1200 mAh
Lithium-ion 800mAh
Protects against unauthorized opening of case
5% - 95%
187 x 93 x 38.5 mm
Approx. 400g (w/ battery pack installed)

Options:

1D/2D Barcode Scanner
Optical Fingerprint Scanner
Magnetic Stripe Reader
Digital Camera
OCR Reader
RFID reader:

MiFARE
iCLASS (HID)

