



ACR880

GPRS Mobile Smart Card Terminal

The mobile **ACR880** is a secure and feature-rich handheld **GPRS smart card terminal** dedicated to the global electronic healthcare (eHealth) and other markets. This innovative device is capable of facilitating **secure mutual authentication** (e.g. between a doctor's and patient's card), displaying detailed multi-layered information from one or both cards based on embedded access rights, and facilitating various online and offline transactions through both private and public network infrastructures.

This highly efficient tool can also host additional features like high speed **WiFi access, bluetooth, and biometric fingerprint sensor**, which provide unmatched usability and compatibility within any current or future system. Most importantly, **ACR880 firmware can be updated** easily, virtually making the ACR880 future proof.



Standard Features

Processor & Operation System	Human Interface
32-bit Arm 9 / Linux ✓	Back-lit LCD (128 x 64 pixels) ✓
Memory	Back-lit keypad (20 keys) ✓
32MB flash + 32MB SDRAM ✓	4 LED + 1 speaker ✓
Dual Operation Mode	Power & Battery
PC-linked & Standalone ✓	External Power Adapter ✓
Dual Interface Reader	Li-ion rechargeable batteries ✓
Contact + Contactless ✓	Certifications/Compliance
Connectivity	CE,FCC, RoHS ✓
USB Full Speed, RS232 ✓	ISO7816, ISO14443 ✓
Ethernet, GPRS (Quad Band) ✓	WHQL ✓
Smart Card Interface	Dimension & Weight
2 Full-size contact card slots ✓	186mm (L) x 88mm (W) x 36mm (H)
2 SAM Card + 1 SIM card slot ✓	348 g (device); 613g(cradle)
Card Support	Others
ISO 7816 Class A,B,C ✓	Firmware upgradeable ✓
T=0, T=1 ✓	WiFi, Bluetooth (Opt.) ✓
Memory & Contactless Cards ✓	Real Time Clock ✓

Typical Applications

- ✓ E-Health
- ✓ E-Government
- ✓ Secure Electronic Payment
- ✓ Customer Loyalty
- ✓ Time & Attendance
- ✓ Automatic Fare Collection

