

TS890 Mobile

PCI 3.0 Approved Advanced Payment Terminal



The Payment Card Industry (PCI) approved TS890 Mobile is a universal payment PINpad that supports both contact and contactless reading functionalities. It is a magnetic stripe reader that comes with options to support Eurocard, Mastercard, Visa (EMV) Levels 1 and 2.

The TS890 Mobile comes with highest levels of security by encrypting every transaction using Triple Data Encrypted Standard (TDES), Advanced Encryption Standard (AES), Rivest, Shamir, Aldeman (RSA) Standard, with Derived Unique Key Per Transaction (DUKPT) key management and Message Authentication Code (MAC).

Features and Benefits

UIC's TS890 Mobile is a versatile payment terminal incorporating a PCI 3.0 approved PIN Pad. With integrated magnetic stripe, smart card and contactless readers, the TS890 Mobile handles most transactions. Features such as multiple payment options and advanced security technology makes the TS890 Mobile the right solution for any retail or financial applications.

- High Performance and Security
- Supports all type of cards
- Various types of option for GPRS
- Certified PCI 3.0, EMV L1 & L2 ,TQM



TS890 Mobile Specifications

ENVIRONMENTAL

Operating Temperature	0°C to 45°C
Storage Temperature	-18°C to 70°C
Relative Humidity, non-condensing	5% to 90%

MECHANICAL

Dimensions	(L)198 x (W)93 x (H)76 (mm)
Weight	486g without the paper roll
Display	128x64 pixels Graphical Display with White LED Backlight
Keyboard	0-9 Numeric Keys Navigation Keys and Enter Clear and Cancel Keys

INTERFACES

Communications:

- ♦ Two RS232 Ports that can run at 115200bps simultaneously
- ♦ All 2 ports provide 9.0 Vdc power to adapt any contactless Card Reader/External PIN Pad/ECR easily; One port supports hardware flow control
- ♦ Dual USB 2.0 Ports (Host + device or host + host)
- ♦ Ethernet - 10/100MB Fast Ethernet
- ♦ Modem 14,400bps; Optional up to 56Kbps. Support SDLC, async and PPP
- ♦ GPRS (optional)

POWER REQUIREMENTS

Power Supply	AC input 100-240VAC 50/60Hz, DC output 8.5-9.4VDC, 5.0A
Battery	7.4V/3200mAh lithium-ion battery 200 transaction per full battery

PRINTER

Integrated High Speed Thermal Printer, 24 lines/s (ASCII), 75mm/s (BITMAP)

ELECTRICAL

Processor	32 bits processor (ARM9+ARM7)
Memory System	24M Bytes (8MB Flash+16MB SDAM) or 32M Bytes (16MB Flash+16MB)
Magnetic Card Reader	Triple Track (Track1/2/3), bi-directional
Smart Card Reader	ISO 7816, EMV Level 1&2 approved; 3V & 5V Cards (optional)
Contactless	Build-in Contactless module; supports all layers of ISO 14443 Type A&B communication scheme; H/W ready for NFC
SAM Module	0 or 4 SAM Card Slots (support 5V and 3.3V SAM)

SECURITY

PCI

- ♦ Built-in with PCI 3.0 Certified for On-line & Off-line PIN
- ♦ PCI approved tamper responsive and tamper evident applied for secure download and application authentication

EMV	Level 1 and Level 2
Encrypting PIN Block	ANSI X9.8 format
Encryption Methods	TDES, RSA, AES, MAC
Key Management	Master/Session and DUKPT
MAC Generation	ANSI X9.19

PERFORMANCE

Magnetic Card	Operating Speed 5 IPS to 55 IPS
Smart Card	Supports 3V and 5V card types
Magnetic Head Life	1,000,000 Swipes
MTBF	100,000hrs

OPERATING SYSTEM

Linux

AGENCY APPROVAL

FCC Class B, CE



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