

# 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

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

## MECHANICAL

<b>Dimensions</b>	(L)198 x (W)93 x (H)76 (mm)
<b>Weight</b>	486g without the paper roll
<b>Display</b>	128x64 pixels Graphical Display with White LED Backlight
<b>Keyboard</b>	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

<b>Power Supply</b>	AC input 100-240VAC 50/60Hz, DC output 8.5-9.4VDC, 5.0A
<b>Battery</b>	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

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

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

## PERFORMANCE

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

## OPERATING SYSTEM

### Linux

## AGENCY APPROVAL

FCC Class B, CE



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