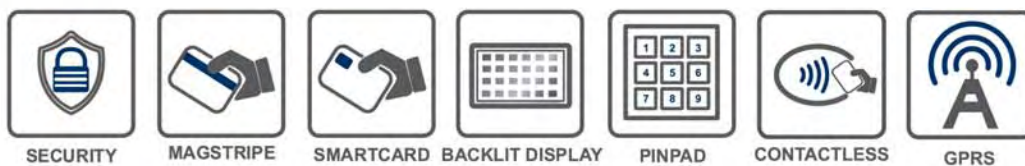


TS890

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



Ready for Today & Tomorrow

UIC's TS890 is a versatile payment terminal incorporating a PCI approved PIN pad. With integrated magnetic stripe and optional smart card and contactless readers, the TS890 is ready to handle your transactions. Features such as multiple payment options and advanced security technology make the TS890 the right solution for any retail or financial application across multiple industries.

Versatile and Powerful

The TS890 is fully programmable. Multiple applications can easily be downloaded into the terminal such as:

- Gift card issuance
- Customer authentication
- Loyalty applications

High Performance

TS890 utilizes the state-of-the-art ARM9 and ARM7 microprocess technology. It ensures a quicker, more convenient and more trusted transaction in your business.

Payments for All

Whether the requirement is for PIN entry, magnetic stripe, contactless, smart card or new NFC equipped mobile phone payments, the TS890 offers the best of all. PCI approval ensures your PIN pad applications run in a secure and standard environment.



TS890



FEATURES AND BENEFITS

Advanced Security

PCI & EMV approved, the TS890 meets the highest levels of security measures to ensure transactions are processed in a secure environment. PINs are protected using Triple DES, Master/Session or DUKPT. Software is secured using RSA, and AES.



SPECIFICATIONS

ELECTRICAL	
Processor	32 bits fast processor (ARM9 + ARM7)
Memory System	24M Bytes (8 MB Flash +16 MB SDRAM) Option : 32M Bytes (16 MB Flash +16 MB SDRAM)
Magnetic Card Reader	Triple Track(Track 1/2/3), bi-directional
Smart Card Reader	ISO 7816, EMV Level 1 & 2 Approved; 3V & 5V Cards (option)
Contactless	Build-in Contactless module (option); supports all layers of ISO14443 Type A&B communication scheme; H/W ready for NFC
SAM Module	0 or 4 SAM Card Slots (support 5V and 3.3V SAM) (option)
MECHANICAL	
Dimensions	(L)198 x (W) 93 x (H) 76 mm
Weight	486g without the paper roll.
Display	128 x 64 pixels Graphical Display with White LED Backlight
Keypad	0~9 Numeric Keys 5 Navigation Keys and Enter, Clear and Cancel Keys
ENVIRONMENTAL	
Operation Temperature	0°C to 55°C
Storage Temperature	-18°C to 70°C
Relative Humidity, non-condensing	5% to 90%
INTERFACE	
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 (option)
POWER REQUIREMENTS	
Power Supply	AC input 100-240VAC 50/60Hz, DC output 8.5-9.4VDC, 5.0A
OPERATING SYSTEM	
	Linux
AGENCY	
	FCC Class B
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
PRINTER	
	Integrated High Speed Thermal Printer, 24 lines/s (ASCII), 75mm/s (BITMAP)
PERFORMANCE	
Magnetic Card	Operating Speed 5 IPS to 55 IPS
Smart Card	Supports 3V and 5V card types
Magnetic Head Life	1,000,000 Swipe
MTBF	100,000hrs

Kimaldi Electronics

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