

T1000

High performance 2.8" color LCD payment terminal

The T1000 series deliver a rich set of devices that meet your business needs. By designing with the new ARM Cortex A5 secure CPU, large memory option and with high resolution 2.8" color LCD display, the device assures fast and reliable payment from credit and PIN-based debit to EMV smart cards transactions, meeting the future industry standard with PCI PTS V4.X certification.



Stylish Large Screen Design

- Good looking and stylish design
- Compact in size, light weight
- Smart Card Reader and Magnetic Card Reader
- High resolution 2.8" color display
- Keypad with backlight
- Fast thermal printer

Support more Applications on it

- Large memory design to cater for multi-application
- Modular design suit for different types of application
- Large capacity battery
- Optional built-in contactless smart card reader
- Optional audio synthesizer with build-in speaker
- Optional 1D or 2D Bar Code Reader
- Optional touch panel

More Communication option

- GPRS/GSM, 3G/WCDMA, WIFI communication
- Ethernet and dial up modem
- USB host and slave interface
- Micro SD interface

Highly Secure and Reliable

- Meeting the future industry standard with PCI PTS 4.X certification
- Highly secure and reliable with international certifications. (FCC/CE/CCC, PBOC & EMV Level 1 & 2, MasterCard PayPass, Visa PayWave, TQM)
- Multiple tamper detectors



Service from our heart Technology be state of the art

SPECTRA Technologies Holdings Co. Ltd.

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* Specification is subject to change without prior notice.
Ref: T1000-A5-LF16E01

Optional for 1D or 2D Bar Code Reader



1D Bar Code Reader

Supported Bar Code:

Code 128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93 etc.

Bar Code Accuracy: ≥ 4 mil

Reading distance: 5 to 42cm (for 15 mil barcode)

Scan angle: 42°

2D Bar Code Reader

Supported Bar Code:

2D: PDF417, QR Code(Model 1/2), DataMatrix(ECC200, ECC000, 050, 080, 100, 140), Aztec, Maxicode, etc

1D: Code 128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GSI Databar, etc.

Bar Code Accuracy: ≥ 5 mil

Reading distance: 5 to 22cm (for 15 mil barcode)

Scan angle: 36°

T1000 Specifications

CPU	ARM Cortex A5 secure CPU
Memory	64MB /128MB RAM; 128MB / 512MB Flash
LCD Display	2.8" 320x240 TFT type 256K color LCD (Optional Touch Panel)
IC Card Reader	EMV and PBOC Level 1 compliant chip card reader
MSR Reader	3 Track bi-directional Magnetic Stripe Card Reader
SAM	4 x SAM sockets maximum
Contactless Reader	Contactless reader for ISO14443A/B with built-in antenna at LCD display region
Keypad	20 keys (includes power on key) with white LED backlight
Real Time Clock	Lithium backed real time clock
Buzzer	A single tone beeper
Digital Audio	Audio synthesizer with built-in speaker (Optional)
Battery	Lithium ion rechargeable battery >2150mAh with voltage and current protection (Optional)
Power input	DC 9V, 2.4A power adaptor or 5V 1.0A battery charger via micro USB
Printer	2.25" Thermal printer with easy loading, (384 dots line, print width: 48mm, resolution: 8 dots/mm x 16 dots/mm (WxH)) Maximum printing speed: 30 lines/sec Standard paper roll dimension: 40mm
Interface	2 x RS232 Port @ 115200 bps 1 x Ethernet 10/100BaseT interface supports TCP/IP, UDP/IP, DHCP, PPP and SSL protocol (Optional) 1 x Modem 57600bps (Optional) 1 x MicroSD Interface (Optional) 1 x USB 2.0 High speed OTG Port (Micro-USB)
Wireless Module	GSM/GPRS module with dual SIM support: <ul style="list-style-type: none"> • 3/1.8V SIM interface • GPRS class 10 with built-in signal strength detection • Internal/external antenna 3G/WCDMA module with dual SIM support <ul style="list-style-type: none"> • Internal/external antenna WIFI module <ul style="list-style-type: none"> • Support 802.11b/g/n standard • Internal / external antenna
Dimension & Weight	
Dimension	171mm(L) x 88mm(W) x 62mm(H)
Weight	400g (without battery); 480g (with battery)
Working Conditions	
Temperature	0-45°C
R.H.	0-85% non-condense
Security and Certification	
Certification	FCC/CE/CCC, PBOC & EMV Level 1 & 2, MasterCard PayPass, Visa PayWave, TQM
Security	PCI PTS V4.X



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