

UPT1000

Unattended Payment Terminal Series

Castles Technology's newly designed UPT1000 device offers multifunctional capabilities for your unattended payment needs such as vending, ticketing, multimedia kiosks, public transportation, laundromats and any other self service solutions.

The UPT1000 is based on a secure Linux platform and has integrated PIN pad, magnetic stripe, chip and contactless card reader functions. The UPT1000 is a perfect, durable and cost effective device for any unattended business needs.



UPT1000 FEATURES:

- Secure and high performance MCU
- Secure Linux operating system
- 3.5" color display with touch screen or 2.4" color display with physical keypad
- PCI PTS v 4.x, EMV L1 and EMV L2 certifications
- Built- in magnetic stripe, contact and contactless readers
- Supports ISO 14443 Type A, B, ISO 18092 NFC and Sony FeliCa
- Supports RS232, USB, Ethernet and GPRS/3G
- Supports MDB/EXE interface



Unprecedented Security

- PCI PTS 4.x, EMV L1 L2.

Incredibly Adaptable

- Options of Touchscreen availability.
- Accepts all payment types - contact, contactless and magnetic stripe.
- Flexible to integrate business applications.

Exceptional Performance

- High security processor.
- Designed and tested to perform under extreme conditions.
- Allows Linux open architecture OS.

Contactless Certifications

- Received most of the global contactless certifications.

| | | UPT1000 Touch | UPT1000 |
|---|------------------------|---|-------------------------------------|
| Processor | | 32-bit Secure Microprocessor running powerful Linux based OS at 400 MHz | |
| Memory | Flash/DDRDRAM | 128 MB/ 64MB (Up to 256 MB/ 128 MB) | |
| | Micro-SD Socket | Yes | Yes |
| Display | | 3.5" Color TFT LCD with PCT Touch Screen 320 x 480 Pixels | 2.4" Color TFT LCD 320 x 240 Pixels |
| Touch Screen | | Yes | No |
| Card Reader | Magnetic Stripe | ISO 7810,7811 & 7813 Triple Track, Bi-Directional | |
| | Contact Card | User Card | ISO 7816 ID-1 1.8 V/3V/5V T=0, T=1 |
| | | SAM Card (Up to 4) | 2 |
| | Contactless (Optional) | ISO 14443 Type A, B, ISO 18092 NFC and Mifare® & SONY® FeliCa Working Frequency 13.56MHz | |
| Dual SIM | | Yes | Yes |
| Communications Interface Options | | GPRS, 3G, Bluetooth iBeacon, Ethernet | |
| | | RS232 *3, USB OTG *1, USB Host *2 | |
| Indicator | LED - Contactless | No | Yes |
| | Speaker | Yes | Yes |
| Keypad | Standard Keys | No | 16 |
| Environment | Operating Temperature | -20°C to 65°C | |
| | Storage Temperature | -40°C to 65°C | |
| | Operating Humidity | 5% to 90% non- condensing | |
| | Storage Humidity | 5% to 95% non- condensing | |
| | IP Ingress Protection | IP 54 | |
| | IK Shock Protection | IK 10 | |
| Certifications | Security & Payment | PCI PTS, EMV L1 L2, TQM, PBOC L1 L2, Visa payWave, MasterCard PayPass, AMEX ExpressPay, JCB J/Speedy, FeliCa, Interac Flash, UnionPay UICS, Discover D-PAS, CUP QuickPass | |
| | Safety, EMC | CE, FCC, BSMI, RoHS | |
| Software | | SDK, KMS, TMS, GDB, CTOS library, ISO 8583 library, Crypto library | |
| Crypto | | TRNG, DES, T'DES, AES, RSA, MK/SK, DUKPT, T'DES DUKPT | |

** Product technical specifications are subject to change without prior notice.