CASTLES™ TECHNOLOGY

UPT1000B
Unattended Payment Terminal

- Secure and high performance MCU
- Secure Linus operating system
- 2.8" color display with touch screen
- PCI PTS v 5.x, EMV L1 and EMV L2 certified
- Built-in magnetic stripe, contact and contactless readers
- Supports ISO 14443 Type A, B, ISO 18092 NFC and FeliCa
- Supports RS-232, USB, 4G LTE, Bluetooth, and Proximity sensor
- Supports MDB/EXE interface

Castles Technology's newly designed UPT1000B device offers multifunctional capabilities for the unattended payment needs such as vending, ticketing, multimedia kiosks, public transportation, laundromats and any other self service solutions.

The UPT1000B is based on a secure Linux platform and equipped with every type of card transaction functionality. Therefore, the UPT1000B is a perfect, durable and cost-effective device for any unattended business needs.

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FEATURES & BENEFITS

Unprecedented Security and Certifications

- PCI PTS 5.x
- EMV Contact/ Contactless Lv1
- EMV Contact Lv2
- Contactless Scheme Certifications (Paypass, Paywave, ExpressPay, D-PAS, J-Speedy, QPBOC…

Incredibly Adaptable

- Optional Touch Availability
- Accepts all payment types
- Flexible to integrate business applications

Exceptional Performance

- High Security Processor
- Designed and tested to perform under extreme conditions
- Allows Linux open architecture OS

UPT1000B
Unattended Payment Terminal

SPECIFICATIONS

			UPT1000B
Processor			32-bit Secure Microprocessor running powerful Linux based OS
Memory	Flash/RAM		256MB/128MB
Display			2.8" Color TFT LCD | 320 x 480 Pixels
Touch Screen			Yes
Card Reader	Magnetic Stripe		ISO 7810, 7811, 7813 Triple Track, Bi-Directional
Card Reader	Contact Card	User Card	ISO 7816 ID-1 1.8V/3V/5V T=0, T=1
		SIM Card	1
		SAM Card	2
	Contactless (Optional)		ISO 14443 Type A, B | ISO 18092 NFC Mifare | FeliCa | Calypso (electronic ticketing system)
Communications Interface Options	Wire		RS-232*2 | USB OTG*1 | USB Host*1
	Wireless		4G LTE | Bluetooth iBeacon | Proximity Sensor
Indicators	LED - Contactless		Yes
	Speaker		Yes
Keypad	Standard Keys		Virtual Keypad (Support PIN on touch)
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
Bill Validator Model List			Crane Payment Innovations (CPI) / MEI Technology: VN2700 Series Coinco: Vantage ICT: XBA mini
Power Supply	Power Adaptor		9V-45V@3A
Dimensions	Terminal (L x W x H)		132 x 85 x 74 (mm)
Weight			307 g
Environment	Operating Temperature		-20°C to 65°C
	Storage Temperature		-40°C to 70°C
	Operating Humidity		5% to 90% non-condensing
	Storage Humidity		5% to 90% non-condensing
	IP Ingress Protection		IP 54
	IK Shock Protection		IK 08
Certifications			PCI PTS 5.X | EMV L1/L2 | payWave | PayPass | ExpressPay | D-PAS | Interac Flash J-Speedy | FeliCa | UnionPay UICS | TQM | PBOC L1/L2