Saturn
1000-E UPT

Castles Technology's newly designed SATURN1000-E UPT makes your checkout process a lot easier. In addition, it comes with several optional features including 4G LTE, Wi-Fi, Bluetooth, microphone, front camera, and barcode reader.

The SATURN1000-E UPT is based on a secure Android platform and has integrated contactless reader function with a 5" full touchscreen.

Lastly, this self-service solution provides a secure and reliable transaction environment which is perfect for vending machines, coolers, and other unattended applications.
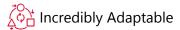
Secure Android Platform

5" Color Touch Screen

Front Camera (Optional)

Barcode Reader (Optional)

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 barcode reader
- Accepts all payment types
- Flexible to integrate business applications

✅ Exceptional Performance

- High Security Processor
- Operable under extreme conditions
- Secure Android architecture OS

SATURN
1000-E UPT

SPECIFICATIONS

			SATURN1000-E UPT
Processor			High Speed Quad-Core Processor plus Secure MCU
Memory	Flash/RAM		8GB/1GB (Up to 16GB/2GB)
Operating System			Android v7.x
Display			5" Color TFT LCD with Capacitive Touch Panel | 1280 x 720 Pixels
Card Reader	Magnetic Stripe		ISO 7810, 7811, 7813 Triple Track, Bi-Directional
	Contact Card	User Card	ISO 7816 ID-1 1.8V/3V/5V T=0, T=1
		SAM Card	2
		SIM Card	2
	Contactless (Optional)		ISO 14443 Type A, B | ISO 18092 NFC | Mifare and Sony FeliCa Working Frequency 13.56MHz
Communications Interface Options	Wire		RS-232| USB | MDB | Antenna
	Wireless		4G LTE | Wi-Fi | Bluetooth | Ethernet
Indicators	Audio		Speaker | Audio Jack (4-Pole)| Microphone
Keypad			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
Power Supply	DC		9-60V
Dimensions (L x W x H)			191.8 x 110 x 65.6 mm
Weight			600 g
Environment	Operating Temperature		0°C to 50°C
	Storage Temperature		-20°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
Certification			PCI PTS 5.X | EMV L1/L2 | payWave | PayPass | ExperssPay D-PAS Interac Flash | J-Speedy | FeliCa | UnionPay UICS TQM | PBOC L1/L2
Optional Features			5M Pixels Front Camera | Barcode Reader