

CASTLES MP200 SPECS

Processor

32-bit Secure Microprocessor running powerful Linux based OS

Memory Flash/DDRDRAM

128 MB / 64 MB

Display

2.4" Color TFT LCD 320 x 240 pixels (Optional Touchscreen)

Card reader

Mag Stripe: ISO 7810, 7811 & 7813 Triple Track, Bi-Directional
Contact User Card: ISO 7816 ID-1 1.8V/ 3V/ 5V T=0, T=1
SAM/SIM: 2 SAM or 1 SAM/1 SIM or 2 SIM
Contactless (Optional): ISO 14443 Type A, B, ISO 18092
NFC and Mifare® &
SONY® FeliCa Working Frequency 13.56MHz

Communications Interface Options

Micro-USB 2.0 x 1
WiFi / Bluetooth, 2G/ 3G/ 4G

Keypad

16 Backlit Keys

Power Supply

USB: 5V/1A
Battery: Li Polymer 3.7V / 1150mAh or 2000mAh
Detachable

Dimensions (L * W * H)

125 mm x 67.5 mm x 17.8 mm

Weight

162g

Environment

Operating Temp: 0°C to 50°C
Storage Temp: -20° to 70°C
Operating Humidity: 5% to 90% non-
condensing Storage Humidity: 5% to 95% non- condensing

Certifications

Security & Payment: PCI PTS, EMV L1 L2, TQM, Visa
payWave,
MasterCard PayPass, AMEX ExpressPay, JCB J/
Speedy, FeliCa, Interac Flash, UnionPay UICS,
Discover D-PAS Safety, EMC: CE, FCC, BSMI, RoHS

OS

Linux 2.6.32.9

Software

SDK, KMS, CTOS library
ISO 8583 library, Crypto library

Crypto

TRNG, DES, T'DES, AES, RSA, MK/SK,
DUKPT, T'DES DUKPT