

PosMate100



PosMate® 100 series PIN Pad Technical Specifications

Secure Pin Pad

The Thyron PosMate® 100 series PIN PAD is a secure PIN Entry Device (PED) designed for use at the Point of Sale. The PIN Pad allows customers to enter Secure PIN information and to process chip card payment as well as magnetic card transactions in a convenient 'small footprint' device.

Architecture

Processor: 32bit - ARM 7 Technology - 60MHz
Memory: 2MB FLASH (Upgradeable to 8MB)
8MB SDRAM
128KB SRAM (battery backed up)

Interfaces and Communication

Card Interfaces: Full Size ISO 7816 smart card interface (1.8v, 3v & 5v)
One Security Access Module (1.8v,3v & 5v)
ISO 3 track magnetic card reader (On Model PosMate 110)
Communications: One RS232 serial port (full compliment)
Optional USB 2.0 port

Security

PIN Encryption: Visa PED certified to Offline specifications. Supports DES, TDES and RSA security algorithms
Physical Security: Tamper evident PIN entry design, intrusion detection

Physical Characteristics

Display: Full backlit graphics with very high resolution LCD (160 x 104 pixels)
Keypad: 15 key keypad
Power supply: 6.5 V, 100 ma. Power via Universal 100 -240Vac power supply adapter or from POS interface
Weight: 225 gms
Dimensions: PosMate 100 - 145mm (L) x 90mm (W) x 57mm (H)
PosMate 110 - 145mm (L) x 108mm (W) x 57mm (H)

Environmental

Temperature: 0°C to 50°C (Operating), - 15°C to + 70°C (Storage)
Humidity: 0% to 80% non condensing

Certification and Approvals

Approvals: Visa offline PED
EMV Level 1 and 2 (EMV 4)
CE
APACS Common criteria (in progress)



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