

Optimum L4250

The perfect balance of cost, performance and security.

Technical Specifications:

Processor

- Intel XScale 200MHz, 32-bit processor

Keypad

- Elastomeric: 13 color-coded keys, water splash-resistant, hard keycaps
- Attached privacy shield
- Touch screen with screen protector. Screen protector absence sensor prohibits use without screen protector in place.

Display

- LCD: 220 x 80 pixels, 16-shade grayscale
- Backlight: 100,000 hours (approximate lifespan)

Card Reader

- Magnetic stripe: Bi-directional, Tracks 1, 2 & 3 (standard); dual-head card reader (optional)
- Chip card: Optional; non-captive; ISO 7816; 3V & 5V cards; three 5V SAM sockets
- Contactless payment: Integrated (optional); compliant with ISO 14443 A & B

Communications

- MiniDIN port: RS-232 with power-in; Client USB IBM-retail with power-in
- 10/100Base-T Ethernet RJ-45 connector (optional)
- USB Host (optional)

Buzzer

- 4.0 KHz (peak)
- 70 dB minimum level at 1 ft.

Memory

- 4MB Flash/8MB SDRAM

Power

- AC: 100-240 V, 50/60 Hz
- DC: 12 V @ 500mA or 24 V @ 250mA (estimated)

PIN Encryption

- DES: Visa PED approved; PIN-ANSI X9.8, MAC-ANSI X9.9 Part 1-ANSI X9.24
- Triple DES: ANSI X9.52
- Key management: DUKPT and 12 master/session keys

Footprint

- 8.22 in x 6.06 in x 2.36 in/20.9 cm x 15.4 cm x 6.0 cm

Weight

- 1.29 lbs/0.59 kg

Environment

- Temperature: 0-45°C/32-115°F
- Humidity: Max 85%, non-condensing
- ESD: 12,000 volts

Reliability

- 100,000 hours (MTBF calculated)

Cost

- An economical 220 x 80 black and white touch screen display keeps the price point to a minimum, while still providing crisp, on-screen graphics and signature support
- The durable, pressure-resistant touch screen features an auto-sensing screen protection system and Terrapin overlay that expands the life of the L4250 and minimizes returns for repairs due to damage to the screen.

Performance

- The Optimum L4250 is equipped with Hypercom's innovative, dual-sided, bi-directional magnetic stripe reader. This reader effectively eliminates the consumer's stripe orientation issue or the question, "Which way do I swipe my card?"
- The L4250 can be configured with an integrated ISO 14443 A & B contactless payment reader and EMV approved, ISO 7816 compatible chip card reader
- The L4250 comes standard with RS-232 and Powered USB ports. The 10/100Base-T Ethernet port is optional
- The L4250 runs the entire suite of Hypercom's state-of-the-art FPE32 software. This mature software package features all of the functions needed for customer-activated signature capture devices along with utilities for POS integration, screen creation and remote terminal management.

Security

- The Optimum L4250 is the first signature capture payment terminal that is PCI-PED approved and complies with California's Financial Code for visually disabled persons
- The L4250 supports DES and Triple DES DUKPT encryption, protecting valuable cardholder PIN information.

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