



► **Certifications**

- Interac Certified
- RSA Secured
- RoHS Compliant
- PCI-PED Certified
- EMV approved

► **Applications**

- Regional chains
- National chains
- Independent grocers
- Drug stores
- C-stores
- Specialty markets

**Get a 99.99% First-Read Rate in the Industry's Most Stylish Package.**

Here's compact streamlining at its best: the Optimum L4250. Easy to use and attractive at the same time, using Hypercom's innovative, dual-sided, bi-directional magnetic stripe reader means your customers won't have to deal with frustrating fumbles. In fact, you get accurate card data reads well beyond the nominal swipe-speed range so you can reduce lanes slowdowns and cashier interactions.

The unit's large, easy-to-read LCD screen not only offers outstanding signature capture, it lets you communicate branding and merchandizing messages quickly. Custom screens are easy to update and let you extend loyalty campaigns and promotional specials.

The Optimum L4250 not only looks fast, it is fast – its Intel XScale® 32-bit processor rockets transactions to the ECR/payment device. It also supports advanced communications like USB and Ethernet for even faster transaction speed. This is how you turn every lane into the *fast lane*.



Non-powered stylus – no on-board electronics



Recessed ADA-compliant keypad with privacy screen



Standard dual head bi-directional magnetic stripe reader

**UNSURPASSED FUNCTIONALITY, USER-FRIENDLY FEATURES**



**Proven forms processing engine** ► Assured rapid integration

**Intel XScale® 32-bit processor** ► Fast transaction speed

**Streamlined space-saver** ► Small footprint

**PCI-PED approved** ► Online PIN code verification

**Permanent privacy screen** ► Maximum customer security

**DES/Triple DES DUKPT** ► Secure key management


**SPEED-OF-SOLUTION WITH FULL FUNCTIONALITY AND ALL THE TRIMMINGS**
**TECHNICAL SPECIFICATIONS**
**PROCESSOR**

- Intel XScale 200 MHz, 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 (approximated)

**CARD READER**

- **Magnetic stripe:** Dual-head, bi-directional, Tracks 1, 2 & 3 (standard)
- **Chip card:** Optional; Integrated, EMV or WIC, EMV4.1 certified, non-captive, ISO 7816; 3V & 5V cards; three 5V SAM sockets
- **Contactless payment:** Optional; Integrated; 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)

**COMPLIANCE**

- UL/cUL listed (UL60950-1)
- FCC Part 15B (ICES-003), Class A
- CE, C-tick
- FCC ID: NVA00002 (RFID)
- IC ID: 1204B-00002 (RFID)

**Fast Performance Comes Standard**

- ▶ Speeds customer check-out with dual-sided, bi-directional magnetic strip reader, for 99.99% first-read rate when customers swipe their cards
- ▶ Maximizes transaction time through fast data transmission: Intel XScale® 32-bit processor, RS-232, and powered USB port
- ▶ Adapts to new payment methods: the Optimum L4250 can be configured with an integrated ISO 14443 A & B contactless RF reader and EMV-approved, ISO 7816-compatible chip card reader
- ▶ Allows proven POS integration, screen creation, customer-activated signature capture and remote terminal management via state-of-the-art Hypercom FPE32 software

**Customer Security on Every Lane**

- ▶ Maximizes security with Derived Unique Key Per Transaction (DUKPT) key management and Message Authentication Code (MAC)
- ▶ Protects valuable cardholder PINs by utilizing either Single DES (Data Encryption Standard) or Triple DES encryption keys
- ▶ Complies with California's Financial Code for visually disabled persons (ADA)

**Usability Arrives with Cost-Effectiveness Built In**

- ▶ The integrated 220 X 80, 16-shade grayscale LCD provides customers with a large signature capture area and the ability to display on-screen graphics
- ▶ Utilizes a non-powered stylus which reduces replacement cost and enhances overall system reliability
- ▶ Maximizes display life and minimizes returns for repair due to screen damage thanks to its auto-sensing screen protection system
- ▶ Integrated keypad complies with the latest PCI PED standards and is ADA compliant
- ▶ A unique terrapin overlay provides superior clarity while protecting the display from scratching and lasts far longer than conventional anti-static material
- ▶ On-premise screen protector replacement eliminates the need to return a terminal to the factory for screen repair and reduces the overall cost of ownership

**OPTIONAL ACCESSORIES**

**REPLACEMENT STYLUS & TETHER**

*Allows the user to replace a worn stylus on-site*


**REPLACEMENT SCREEN PROTECTOR**

*Simple on-site replacement process ensures maximum touch screen protection*


**RFID TEST CARD**

*Allows users to test the L4250 terminal and conduct training for managers and employees*


**WORLD HEADQUARTERS:**

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