



Open Up To More Usable, More Economical Payment Convenience.

► The Optimum L4200 gives every customer built-in privacy with its shielded, recessed 13-key ADA compliant keypad. Its large, monochrome LCD screen displays more readable information for crisp visual impact plus add-your-logo capability.

And to cut employee training time and speed up customer interaction, it offers you six screen-addressable function keys that you can customize just for your transactions.

This multi-lane payment terminal is economy-minded and still smart as a whip. Deployable right out of the box, it comes complete with a plug-and-play capability that meets PCI PED and Interac® Association security requirements without add-on components. So you can comply with the industry's new security demands and put it to work on every lane immediately.

And with Hypercom's innovative, bi-directional magnetic stripe reader built in, customers won't be asking, "Which way do I swipe my card?" Multi-functional and economical, it's perfectly suited to multi-lane supermarkets, drugstores and similar high-traffic environments where every bit of margin counts.

► **Applications**

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



Programmable function keys



Recessed keypad with privacy screen



Standard bi-directional three-track magnetic stripe reader

TOP-LINE SECURITY IN AN AFFORDABLE PACKAGE.



- Intel XScale® 32-bit processor ► *Fast transaction speed*
- PCI-PED approved ► *Online PIN code verification*
- Permanent privacy screen ► *Maximum customer security*
- California code-compliant ► *Beyond ADA standard*
- DES/Triple DES DUKPT ► *Secure key management*
- Countertop space-saver ► *Small footprint*



The Cost-Conscious Payment Solution That Improves Satisfaction

TECHNICAL SPECIFICATIONS:

PROCESSOR

- Intel XScale 200 MHz, 32-bit processor

KEYPAD

- Elastomeric:** 13 color-coded keys, water splash-resistant, hard keycaps
- Six screen-addressable function keys**

DISPLAY

- LCD:** 160 x 80 pixels, monochrome
- Backlight:** 100,000 hours (approximate lifespan)

CARD READER

- Magnetic stripe:** Bi-directional, Tracks 1, 2 & 3 (standard); dual-headed card reader (optional)
- Chip card:** EMV approved; ISO 7816; non-captive; 3V and 5V cards; two 5V SAMs
- Contactless payment:** Integrated (optional); compliant with ISO 14443 A & B

COMMUNICATIONS

- MiniDIN port:** RS-232 asynchronous, Client USB IBM-retail with power-in, 10/100Base-T Ethernet RJ-45 connector
- 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

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)
- CE, C-tick
- FCC Part 15B (ICES-003), Class A
- FCC ID: NVA00002 (RFID)
- IC ID: 1204B-00002 (RFID)

Improve Cost of Deployment and Usability at the Same Time

- ▶ Minimizes outlay with low price point
- ▶ Give customers crisp, onscreen graphics with the economical, backlit 160 x 80 monochrome display
- ▶ Maximizes customer convenience and fits your sales counter needs with six screen-addressable function keys – and saves on training time

Convenient Performance at the Touch of Your Customer's Finger

- ▶ Speeds customer check-out with optional dual-sided three-stripe magnetic stripe 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, powered USB and 10/100Base-T Ethernet ports are standard features
- ▶ Adapts to new payment methods: the Optimum L4200 can be configured with an integrated ISO 14443 A & B contactless reader and EMV-approved, ISO 7816-compatible chip card reader
- ▶ Allows proven POS integration, screen creation and remote terminal management via state-of-the-art Hypercom Form Processing Engine (FPE32) software

No-Worry Security Right on the Countertop

- ▶ Maximizes security with Derived Unique Key Per Transaction (DUKPT) key management and Message Authentication Code (MAC)
- ▶ Protects valuable cardholder PINs with fast Data Encryption Standard (DES) and Triple DES for secure encryption

OPTIONAL ACCESSORIES



RFID Test Card

Allows you to test systems, train managers and employees.



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