Optimum L4200

The economical multi-lane payment solution.

Optimum®L4200

▶ ## Product Data

The Optimum L4200 is the latest model of Hypercom's highly successful Optimum series of multi-lane payment terminals. The L4200 combines all the features needed by today's multi-lane retailers in an economical PCI-PED and ADA-compliant package. The L4200's unique recessed keypad with integrated privacy shield, compact footprint and ergonomic design make it the terminal of choice for any retailer.

▶ ## Key Features

• Dual-sided MSR for foolproof card swipes

• Recessed 13-key ADA keypad with integrated privacy shield ensures consumer privacy during PIN entry

• 160 x 80 monochrome LCD for superior graphics

• 200MHz Intel® XScale® 32-bit processor provide ultra-fast transactions

• RS-232, USB and Ethernet communications options for compatibility with all POS systems

• Optional integrated ISO 14443 reader supports American Express ExpressPay™, MasterCard PayPass™ and Visa contactless cards and fobs

• Optional integrated EMV-approved chip card reader

Whether you're looking for a reliable payment terminal, innovative, value-add technology, or a complete electronic transaction management system, Hypercom can deliver. Our product portfolio ranges from basic credit authorization to full transaction transport and more. Hypercom is more than a one-stop shop for payment terminals, it's a provider of complete, end-to-end transaction solutions that expand the possibilities at the POS in ways that translate to greater profits.

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Technical Specifications:

Processor
- Intel XScale 200MHz, 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-head card reader (optional)
- Chip card: EMV approved; ISO 7816; non-captive; 3V and 5V cards; three 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)

Cost

- An economical 160 x 80 monochrome display keeps the price point to a minimum while still providing crisp, on-screen graphics
- The six screen-addressable function keys allow merchants to program terminals to meet their specific needs and speeds transactions and training, saving time and cost.

Performance

- The Optimum L4200 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?" This implementation ensures a 99.99% first read rate when customers swipe their cards
- The L4200 can be configured with an integrated ISO 14443 A & B contactless RF reader and EMV approved, ISO 7816 compatible chip card reader
- The L4200 comes standard with RS-232, Powered USB and 10/100Base-T Ethernet ports, enabling connection to an ECR. The L4200 can also be optionally equipped with a Host USB port for attaching USB peripherals such as barcode scanners, printers or biometric ID devices
- The L4200 runs the entire suite of Hypercom's state-of-the-art FPE32 software. This mature software package features all the utilities for POS integration, screen creation and remote terminal management.

Security

- The L4200 is the first multi-lane payment terminal that is PCI-PED approved and complies with California's Financial Code for visually disabled persons
- The L4200 supports DES and Triple DES DUKPT encryption, protecting valuable cardholder PINs.