



### ► **Certifications**

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

### ► **Applications**

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

### **Get More Value in a Small, Powerful Package**

The Optimum L4150 is Hypercom's PCI PED online and offline approved, high-performance, multi-lane payment and advertising terminal. Utilizing a 200 MHz, 32-bit Intel XScale® processor, the L4150 is designed to meet the performance needs of even the most demanding retail environments. The integrated terminal design provides users with multiple card reading options including Hypercom's innovative, dual-sided, bi-directional magnetic stripe reader. This feature means customers will no longer have to worry about swiping the card in the correct direction or orientation. In fact, this capability increases the accuracy of the card data reads, well beyond normal swipe speeds which can ultimately reduce lane slowdowns and cashier interactions.

The sleek, compact design of the L4150 also saves valuable counter-space, and its size does not increase when options are added. To help facilitate customer interaction, the L4150 utilizes a 1/4 VGA display that's capable of supporting more than 65,000 colors. This exceptional display capability not only enhances the customer's experience, but also makes the L4150 an ideal platform for various marketing and promotional campaigns in the lane.

This combination of performance, functionality and a compact design enables the Optimum L4150 to turn every lane into the *fast lane*.



Standard dual head, bi-directional magnetic stripe reader



Electronic signature capture



Customizable bezel for merchant brand advertising

## SECURE PAYMENTS, UNSURPASSED PERFORMANCE



- Intel XScale® 32-bit 200 MHz processor** ► *Fast transaction speed*
- Streamlined space-saver** ► *Small footprint*
- PCI PED approved (online & offline)** ► *Most secure terminal in its class*
- 1/4 VGA display** ► *Superior resolution and clarity*
- Hardened glass top** ► *Superior visibility and scratch resistance*
- Capacitive touch screen** ► *Supports finger and pen touch*
- Proven forms processing engine** ► *Assures rapid application integration*


**SECURE PAYMENTS, UNSURPASSED PERFORMANCE**
**TECHNICAL SPECIFICATIONS**
**PROCESSOR**

- Intel XScale 200 MHz, 32-bit processor

**DISPLAY**

- Color: Active Matrix TFT
- Resolution: 1/4 VGA (320 x 240 pixel resolution)
- Touch screen: Capacitive glass

**CARD READER**

- **Magnetic stripe:** Standard, Integrated, bi-directional, dual-head, reads Tracks 1, 2 & 3
- **Chip card reader:** Optional, Integrated, EMV or WIC, EMV4.1 certified; non-captive; ISO 7816; 3V & 5V cards; three SAM sockets
- **Contactless payment:** Optional, Integrated, compliant with ISO 14443 A & B

**COMMUNICATIONS**

- **RS-232:** One physical port, and an internal port for peripherals
- **Powered USB:** Supports both standard client USB and Powered USB
- **Ethernet:** Optional
- **USB Host:** Optional

**MEMORY**

- **Standard:** 8 MB Flash/ 16MB SDRAM
- **High:** 16 MB flash/ 32 MB SDRAM

**POWER**

- AC: 100-240 V, 50/60 Hz
- DC: 12 V @ 700mA or 24 V @ 350mA

**ENCRYPTION**

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

**FOOTPRINT**

- 9.34 in (l) x 7.5 in (w) x 2.5 in (h)
- 23.72 cm (l) x 19.14 cm (w) x 6.44 cm (h)

**WEIGHT**

- 1.9 lbs/0.86 kg approximate

**ENVIRONMENT**

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

**COMPLIANCE**

- UL/cUL listed (UL60950-1)
- IC: 1204B-078270338 (RFID)
- FCC Part 15B (ICES-003), Class A
- CE, C-tick, CCC
- FCC ID: NVA0708270338 (RFID)

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

- ▶ Robust, capacitive glass touch screen, proven to provide high performance signature capture in high-volume retail environments, ensures value and reliability with the lowest maintenance and repair costs in the industry
- ▶ Capacitive stylus, with no on-board electronics, significantly reduces the cost for replacements
- ▶ Customizable bezel and large color screen allow retailers to expand their branding directly to the point of service and advertise company colors and logos on the device, which enhances a customer's buying experience and protects a retailer's brand investment
- ▶ Utilizing advanced hardware that includes the Intel XScale 32-bit, 200MHz processor and up to 40 MB of memory enables the L4150 to provide both fast transaction speeds and solid investment protection for the future
- ▶ Powered by Hypercom's flexible and efficient Forms Processing Engine software, with available OPOS, JavaPOS and direct command interfaces, product integration can be achieved faster and at less expense than any other solution on the market today. Updates to transaction flow and screen content are quickly and easily managed due to the unique nature of Hypercom's application architecture

**Fast Performance Comes Standard**

- ▶ High performance 200 MHz processor ensures fast payment transaction processing, application and firmware downloads, and support video animation (MPEG, GIF, SWF files)
- ▶ Flexible communications options including RS-232, Powered USB and Ethernet allows for easy integration with existing POS systems, which reduces the time it takes to develop, test and certify a custom application
- ▶ Bi-directional, dual head magnetic stripe reader, optional chip and contactless payments readers, along with an easy-to-use interface help customers check out faster

**Customer Security on Every Lane**

- ▶ Easy-to-use interface allows customers to initiate all transaction types, which reduces costs associated with human error and fraud
- ▶ Scalable transaction framework meets all industry standards and PIN entry requirements
- ▶ Protection against unauthorized applications and PIN compromise attacks via our advanced standards-based POS Public Key Encryption using RSA technology

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**OPTIONAL ACCESSORIES**

**REPLACEMENT STYLUS & TETHER**

*Lets you replace worn stylus with new component*


**STAND ADAPTER**

*Able to mount the L4150 to an existing checkstand*


**P1310 PIN PAD**

*For compliance with regional disability standards*


**WORLD HEADQUARTERS:**

**Hypercom Corporation**  
8888 E. Raintree, Suite #300  
Scottsdale, Arizona 85260 USA  
Tel: +1.480.642.5000  
Fax: +1.480.642.4655

www.hypercom.com