



Optimum P2100

high security PIN entry solution



The Optimum P2100 by Hypercom:

- Large memory to support future application requirements
- Incorporates powerful 32-bit processor for fast transactions
- Easy EMV upgrade to extend life of investment
- Ergonomically designed for easy cardholder use



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Precision Performance

The Optimum P2100 from Hypercom® delivers superior processing power through its 32-bit technology and multi-application architecture. Its flexible design offers a range of chip and magnetic stripe card reader combinations, and supports use in both hand-held and countertop environments.

Delivering High Security

Developed with high-security markets in mind the Optimum P2100 provides online/offline PIN protection, online data integrity protection and cryptographic support including 3DES and RSA. The Optimum P2100 is certified to global standards including EMV Level 1, EMV Level 2 and PED approved.

Easy EMV Upgrades

The Optimum P2100 is fully compliant with international security and communication standards. With its optional built-in EMV library, the Optimum P2100 provides a simple and effective upgrade to EMV for both EPOS systems and payment terminals, minimising certification requirements.

Effortless PIN Entry

Designed in consultation with disability experts the Optimum P2100 features a simplified keypad layout with internationally recognised tactile identifiers and concave keys to minimise keying errors. The large graphic screen supports the use of international language characters, and enables larger and more complete text to be displayed.

For more information about the **Optimum P2100**, please visit: www.hypercom.com or email info-emea@hypercom.com

Hypercom EMEA Ltd

Unit 2, Woking Eight, Forsyth Road, Woking, Surrey GU21 5SB England

Tel. +44.1483.718600 Fax. +44.1483.718601

Specifications:

Keypad

16 hard plastic keys

Display

64 x 128 pixel graphic display
LED backlight

Processor

32-bit RISC

Chip Card Reader/Writer

ISO7816; 3 SIM sockets

Magnetic Stripe Reader (optional)

Tracks 1, 2 (standard)

Tracks 2, 3 (optional)

Tracks 1, 2, 3 (optional)

Hybrid reader (optional)

Communications

RS-232 (standard) or

RS-422 (optional), USB or Ethernet

Security

Physical: Intrusion detector & secure CPU

Key Management:

Master/session keys (12) or DUKPT

Encryption: 3DES, MAC X9.9,

PIN Block ISO9564; RSA

Range of security features available

Memory

4 MB flash + 8MB SDRAM

512 KB battery-backed SRAM

Secure Memory:

512 KB SRAM for applications

512 KB SRAM for data

Certifications

Certified to global standards including

EMV Level 1, EMV Level 2 & PED approved

Power

DC 12 V, 0.3 A (standard)

Environment

Temperature 0-45° C/32-113°F

Humidity max 85%, non-condensing

ESD 12,000 volts

Privacy Shield

A selection of privacy shields are available on request

Cables

Flat or curly; Range of lengths available

Colours

Black with light grey chip card reader (standard),

A full colour range is available for volume requests

Weight

130 grams (standard)

Footprint

96mm x 187mm x 60mm (standard)

Specifications subject to change without notice