



# ▶ Optimum M2100

the perfect balance of cost,  
performance and security



Ready for the next  
dimension of payment:

- Wireless device allows mobile payment
- Supports GSM/GPRS and Bluetooth® wireless technologies
- Powerful 32-bit RISC processor for high-speed transactions
- Easy-to-use interface conforms to international standards
- PED certified and EMV Type approved
- 12 MB of memory accommodates multiple, separate applications
- Supports multiple languages and currencies
- Includes fast 3DES encryption
- Graphics-capable, 15 lines per second thermal printer
- Easy-to-load jam-free printer
- Long-life battery handles over 300 transactions

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The Optimum M2100 is an easy-to-use wireless payment device that offers highly secure, ultra-fast transactions that allows data transmission from anywhere without the constrictions of wiring. This technology enables customers to take control of the transaction process in a number of new markets, including hospitality, transportation and other mobile merchants. The M2100 can process over 300 transactions on a single charge, meaning merchants can accept payment anywhere, anytime for hours on end, while offering their customers the security and convenience of wireless payment. Combined with its 32-bit RISC processor, both magnetic stripe and chip card readers and graphical back-lit display, the M2100 is a truly unique combination of performance, security, reliability and ease of use, which is the cornerstone of the Optimum family.

## Cost-Effective:

- Always online GSM/GPRS or Bluetooth communications ensure the device is always ready to transact electronic payments or send information via cost-efficient wireless technologies
- Intuitive, colour-coded keypad and easily identifiable card reader slots withstand high volumes of traffic, while decreasing transaction times and improving customer throughput
- Back-lit, graphic display is clear and easy to read, features-configurable fonts and can also display logos for advertising providing the best possible guidance throughout the transaction while delivering a unique, low cost marketing opportunity.

## Performance:

- Capable of processing over 300 transactions on one charge with long-life battery that delivers many hours of uninterrupted payment processing for mobile payment
- Fast transaction times through 32-bit RISC processor reduce communications costs
- Increased marketing capabilities by displaying logos, icons and in-store messages on the display screen and receipts, which allows merchants to expand marketing capabilities at the POS and increase customer retention
- Full-featured, secure terminal management system including local or web-based options enables users to download terminal software safely and easily
- Multiple, value-added applications can be implemented by merchants with 12MB memory capacity that can support one single application with embedded feature-rich and functions or several independent application modules.

## Security:

- PED approved device is fully compatible with global security and communications standards such as EMV
- Fast 3DES for secure encryption and protection of valuable cardholder information with powerful processing engine
- Tamper-proof architecture protects internal systems from invasion
- Hand-over form factor facilitates fast and secure PIN entry
- Fast SSL up to 2048-bit, which provides the most secure SSL over IP in the industry today

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 authorisation 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.

## Specifications:

### Processor

32-bit RISC

### Display

64 x 128 pixels; LED backlight

### Keypad

16 keys, water splash-resistant

### Magnetic Stripe Reader

Tracks 1, 2 and 3

### Chip Card Reader

EMV4.0 Level 1 and 2 certified; ISO 7816; 3 SAM sockets

### Communications

GSM/GPRS or Bluetooth

### Printer

Drop-in loading, thermal technology 57mm wide, 50mm diameter; 384 dots per line resolution; 60mm feed per second

### Memory

4MB Flash, 8MB SDRAM (standard) 512 KB battery-backed SDRAM

### Power

AC: 100-240 V, 50/60 Hz  
DC: 7.5 V, 4.5 A

### Battery

Lithium-Ion: 7.4V, 2000mAh

### Security

Intrusion detection and encryption coprocessor

### Encryption

12 master/session keys or DUKPT; 3DES, MAC X9.9, PIN Block ISO9564

### Footprint

Dimensions: 9.84 in x 4.33 in x 3.15 in / 250 mm x 110 mm x 80 mm

### Weight

1.55 lbs/580 grams approximate

### Environment

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

### Reliability

100,000 hours (MTBF calculated)

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Specifications subject to change without notice.

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