



# Optimum T4200



## ▶ Market Segments

- Retail
- Restaurant
- Lodging
- MOTO
- e-commerce
- Taxi
- Attended kiosks

## ▶ Approvals

- PCI PTS approved
- EMV Level 1 & 2
- Interac certified
- ZKA TA7.0 approved
- MasterCard PTSP approved
- RoHS compliant

## Optimum Performance with Maximum Value

The Optimum® T4200 family is Hypercom's popular line of sleek, powerful and adaptable payment terminals. The Optimum T4200 family meets the security standards of today with standard integrated PCI approved PIN entry capability, the safety of the HyperSafe®32 architecture and unrivaled transaction and download speed. Our proven Adaptive Application Environment (AAE) utilizes one toolkit and user interface to ease support and migration for the entire Optimum family.

From retail to restaurants, from lodging to hair salons, the Optimum T4200 family is a perfect fit for any business application. Choose from the economical T4210 dial only model, the super fast and secure T4220 Ethernet IP model for merchants with broadband connectivity, or the T4230 GPRS version which is perfect for merchants with power, but limited or no access to dial or other wired communications. To ensure transactions can be processed when primary communications are unavailable, the T4220 and T4230 include standard V.34 dial back-up. All models include RS232 and PIN ports to provide application loading flexibility and the ability to support multiple peripheral connections.

The T4200 enables you to simplify support, move transactions faster and more securely than ever to satisfy the needs of your customers. All from Hypercom, the first name in Trusted Transactions.



Small footprint



Superior protection with HyperSafe architecture



One family, one interface, one toolkit

## AFFORDABLE, HIGH-END FEATURES



WIRELESS



DIAL



**Powerful** ▶ 32-bit ARM9 processor, 48MB of memory

**Fast** ▶ Downloads as fast as 2 minutes

**Functional** ▶ Full multi-application

**Easy-to-use** ▶ Help menus, IP diagnostics, single user interface and toolkit

**Flexible** ▶ Multiple communication options: Dial only, LAN + Dial, GPRS + Dial

**Value** ▶ Integrated PCI PTS approved PIN entry capability

**Customization** ▶ Labeling and colored housings

**Secure** ▶ Meets all current security standards

# Optimum T4200

## OPTIMUM SECURITY AND PERFORMANCE

### TECHNICAL SPECIFICATIONS

#### PROCESSOR

- 32-bit ARM9

#### KEYPAD

- 19 buttons; PCI PED approved; water splash-resistant
- 6 navigation buttons
- ADA-style markings

#### DISPLAY

- FSTN LCD with graphics
- 160 x 80 resolution
- White LED, backlight

#### CARD READER

- **Magnetic stripe:** Bi-directional, Tracks 1, 2, & 3
- **Chip card:** Optional; EMV4.0 Level 1 & 2, ISO 7816
- Three SAM slots

#### COMMUNICATIONS

- **Primary:** Dial, 10/100Base-T Ethernet or GSM/GPRS
- **Modem:** V.34 / 33.6Kbps
- **Ports:** RS232 for peripherals, PIN port for external PIN pad

#### PRINTER

- SureLoad® clamshell design, drop-in loading, thermal technology, 384 dots per line
- 15+ lines per second
- **Paper roll:** 2.25", 50mm diameter

#### MEMORY

- **Total:** 24MB, 48MB Optional
- **Flash:** 8MB, 16MB Optional
- **SDRAM:** 16MB, 32MB Optional
- **SRAM (non-volatile):** 512K, 1024K Optional
- **SRAM Backup:** 5-year battery

#### POWER

- **AC:** 100-240V, 50/60 Hz
- **DC:** 7.5V, 2.8A

#### ENCRYPTION

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

#### FOOTPRINT

- 3.6 in (w) x 8.1 in (l) x 2.3 in (h)
- 91.44 mm (w) x 205.74 mm (l) x 58.42 mm (h)

#### WEIGHT

- 1.06 lbs/ 0.48 kg

#### ENVIRONMENT

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

### Simple, Easy-To-Use Features

- ▶ SureLoad® thermal printer design with clear lid alerts cashiers to low paper conditions. The simple drop-in loading virtually eliminates paper jams and the large paper roll means more receipts between changes
- ▶ Large, ADA-style, 19-key layout allows for easy key recognition. The Clear, Enter, Cancel and "5" keys provide tactile feedback for visually-impaired customers.
- ▶ Slim form factor and optional mono cable makes it perfect for handover installations
- ▶ Color-coded port labels simplify service and support
- ▶ Industry-leading software includes the functionality necessary to introduce value-added opportunities to merchants

### Fast, Time-Saving Performance

- ▶ Multiple communication options provide the flexibility to load applications via RS232, Dial, Ethernet or GPRS for fast and easy deployments
- ▶ Graphics-capable thermal printer allows merchants to print logos and coupons directly at the point of service
- ▶ V.34 modem enables automatic dial backup to IP or GPRS
- ▶ The ARM9, 32-bit processor provides speed and functionality. It delivers the processing power and speed required to run multiple applications and support all payment types.

### Unsurpassed Value

- ▶ Applications are designed for use in all T4200 models so there is no need to manage multiple download files which reduces the possibility of set up errors
- ▶ With a standard 24MB memory, the Optimum T4200 family can accommodate software changes due to regulatory requirements and support multiple value-added applications
- ▶ Every T4200 family model is PCI PTS approved for transactions that require PIN entry
- ▶ The bright, white backlit display utilizes superior display technology to achieve a sharper image for maximum visibility
- ▶ Contactless readers, like the Hypercom R3210, Hypercom PIN pads and other peripherals can be connected using the RS232 port to provide more payment choices
- ▶ Secure design meets the most stringent security regulations in the industry, including PCI PTS, ZKA and PTSP. The HyperSafe32 architecture provides the ultimate protection against unauthorized loading of applications
- ▶ Hypercom Mobile Network service provides full mobile payment solution

© 2007-2011 Hypercom Corporation, all rights reserved. Hypercom is a registered trademark of Hypercom Corporation. The Hypercom logo is a trademark of Hypercom Corporation. All other products or services mentioned in this document are trademarks, service marks, registered trademarks or registered service marks of their respective owners. Product Specifications subject to change without notice. 940645-001, Rev A 05/2011

### ACCESSORIES



#### PRIVACY SHIELD



#### MONO CABLE



#### CUSTOM BRANDING



#### WORLD HEADQUARTERS:

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

www.hypercom.com