



## TECHNICAL SPECIFICATIONS

### PROCESSOR

- 32-bit ARM9

### KEYPAD

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

### DISPLAY

- LCD with graphics
- 160 x 80 resolution
- Green LED, backlit

### 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
- Modem: V.34/33.6Kbps
- Ports: RS-232 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
- Flash: 8MB
- SDRAM: 16MB
- SRAM (non-volatile): 512K
- SRAM Backup: 5-year battery

### POWER

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

### ENCRYPTION

- PCI PED 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 8.2 in (l) x 2.4 in (h)  
91.7 mm (w) x 208.8 mm (l) x 62.0 mm (h)



Small footprint



IP diagnostics



Colored port labels



## The OPTIMUM answer for small merchants

The OPTIMUM T4220 countertop terminal is the most capable IP and dial terminal in the industry today. Hypercom has combined the best-of-breed features of the OPTIMUM family into this powerful IP device to suit any customer's needs large or small.

The OPTIMUM T4220 provides IP performance and security second to none. The OPTIMUM T4220 comes standard with integrated PCI PED approved PIN entry capability, the safety of the HyperSafe®32 architecture and unrivaled IP transaction and download speeds. The OPTIMUM T4220 also shares the same user interface as the T4220 family dial and wireless models for ease of migration and support.

The IP diagnostics application only found on Hypercom IP terminals is more than your average IP monitor, checking failure at the cable, in-store gateway, the ISP and then the processing host. It then clearly tells the user where the error occurred and then how to fix it! Don't just replace an IP terminal, fix the problem instead!

Powerful ► 32-bit ARM9 processor

Fast ► V.34 modern standard, IP downloads as fast as 2 minutes

Functional ► Full multi-application

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

Adaptable ► Optional EMV chip card reader

Value ► Integrated PCI PED approved PIN entry capability

Secure ► Meets all security standards - creates merchant retention