


**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, 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:** 10/100Base-T Ethernet
- **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 8.1 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 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**

- ▶ Graphics-capable thermal printer allows merchants to print logos and coupons directly at the point of service
- ▶ V.34 modem allows you to place this unit as a dial first - IP later and gives the assurance of dial backup to IP
- ▶ The ARM9, 32-bit processor provides speed and functionality. It delivers four times the processing power and speed of an ARM 7 processor used in competitive devices.

**Unsurpassed Value**

- ▶ Depot-upgradeable, modular communications provide a flexible platform that can quickly evolve as market requirements emerge. Provides investment protection and are easy to replace for faster service
- ▶ With more memory, 24MB standard, than competitive devices in its class, the Optimum T4220 easily handles software size increases due to regulatory requirements as well as the addition of value-added applications
- ▶ Every T4200 family model is PCI PED approved for PIN transactions
- ▶ The bright, white backlit display utilizes superior display technology to achieve a sharper image for maximum visibility
- ▶ Check imagers, PIN pads and contactless check readers can be connected using the peripheral port to provide more payment choices
- ▶ Secure design meets the most stringent security regulations in the industry, including PCI PED and PTSP. The HyperSafe32 architecture provides the ultimate protection against any unauthorized loading of applications.

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**OPTIONAL ACCESSORIES**

**PRIVACY SHIELD**

**MONO CABLE SYSTEM**

**SUPPLIES**

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