

# Compact Point-of-Sale 3000



## CPOS at-a-glance:

- Integrated point-of-sale device
  - Add value/products to contactless smart cards
  - Ultra-compact, ergonomic design
  - High-coercivity magnetic card reader for credit/debit transactions
  - EMV-compliant for contact smart card processing
  - Fast thermal printer
  - ATM-style keypad interface
  - Large back-lit display
- Cubic's Tri-Reader® for secure processing of ISO 14443 Type A and Type B full featured and limited use contactless smart cards
  - Freedom of card choice
  - Ease of use, customer convenience
  - Superior security with SAM support and VeriShield security architecture
  - Reduced fraud
- Low cost solution for smart card distribution network

## The Compact Point-of-Sale

integrates Cubic's multi-protocol card interface device, the Tri-Reader®, with a commercial-off-the-shelf payment terminal to enable convenient smart card purchases at retail locations. The low-cost device is the ideal solution for setting up a smart card distribution network of convenience stores, news stands, sweet shops, grocery markets, government and corporate offices and other point-of-sale locations.

### How it works

From these convenient locations, patrons can add value or products to their smart cards by presenting the card to the Tri-Reader® target. The merchant uses the keypad to select the desired value or product to be added to the card. If paying by credit or debit card, the card is swiped through the magnetic card reader on the payment terminal. For debit transactions, the patron enters the PIN using the keypad on the payment terminal. The card is re-presented to the target and the Tri-Reader® encodes the new value or product to the card. A receipt for the transaction may be printed from the payment terminal.

All transactions are stored by the CPOS and transmitted to the central computer system via dial-up modem as desired, at scheduled time intervals, transaction number, transaction value, and/or at the end of the day.

The CPOS provides transit customers, particularly bus patrons, a convenient way to purchase and reload their smart cards at retail locations throughout the region. Purchases made out of station and off vehicle reduce queues at ticket vending machines and ticket offices and expedite boarding times, resulting in lower maintenance costs and improvements to operational efficiency and customer satisfaction.

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## Specifications:

### Physical

Dimensions: 228mm (9in) by 304mm (12in) of counter space required  
Weight: 1.5kg (3.2lbs)  
Material: high impact plastic  
Voltage: 100 to 240 VAC, 50/60 Hz  
Power Dissipation: 39W Max

### Capacity

Processor: AMTEL ARM7 60MHz CPU [Tri-Reader 2], 32-bit micro-processor [VeriFone® OMNI 3750]  
Operating System: Threadx [Tri-Reader 2], Verix [VeriFone OMNI 3750]  
Memory: 8 MB Flash, 1 MB SRAM [Tri-Reader 2], 2 MB Flash 12 KB SRAM [VeriFone OMNI 3750]

### External Interfaces

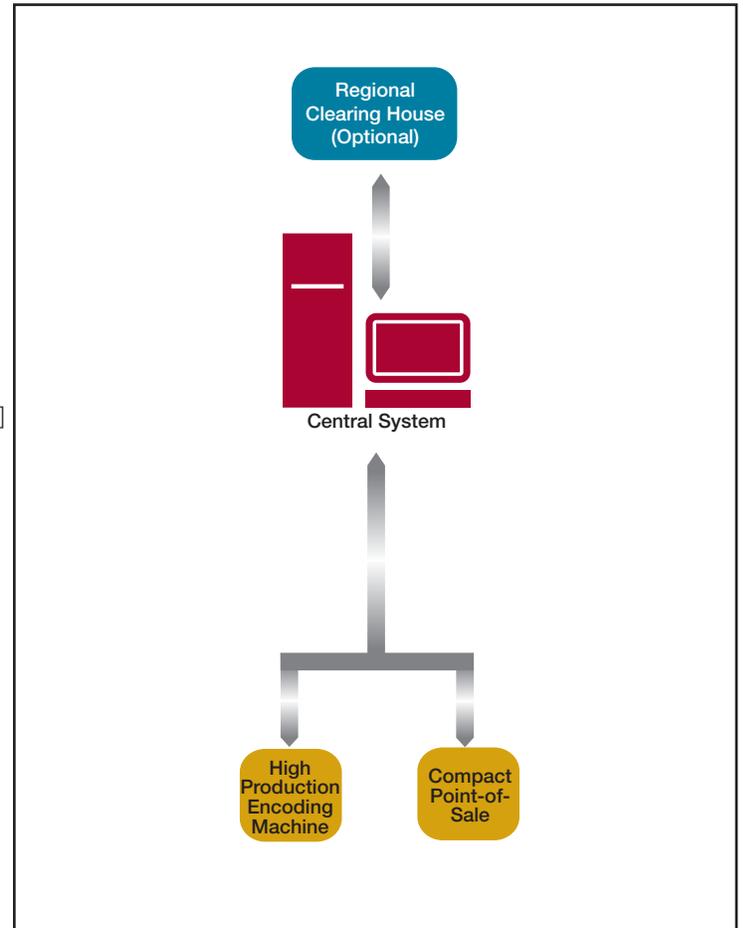
RS-232 (2); Telco Port (1) for PIN pad

### Environmental

Storage Temperature: -18°C to +66°C (0°F to +150°F)  
Operating Temperature: 0°C to +40°C (+32°F to +104°F)  
Relative Humidity: 15% to 90%  
Vibration: N/A  
Shock: Not Rated  
Ingress Protection: Not Rated  
Immunity: N/A  
Emissions: FCC 15B, CE  
Flammability: N/A

### User Interfaces

Operator Interface: 8 line x 21 character with graphics capability, monochromatic LCD, 128 x 64 pixels, backlight  
Patron Interface: 3 x 4 numeric keypad, 8 soft-function keys, 4 screen-addressable keys  
Media Issuance: N/A  
Media Acceptance: ISO 14443 Type A and Type B full featured and limited use contactless smart cards



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VeriFone® is a registered trademark of VeriFone Inc.

**Cubic Transportation Systems, Inc.**  
**World Headquarters**  
5650 Kearny Mesa Road  
San Diego, CA 92111 USA

Telephone: +1-858-268-3100  
Fax: +1-858-292-9987



*In the interests of product improvement, Cubic reserves the right to change the above specification without notice.*