

# S9

A cost-effective combination of form, function and flexibility.



## Product Data

The S9 is the most attractive, cost-effective method to accept PIN-based payment transactions. These elements are the cornerstone of our S9 family and our mission, to deliver to the payment industry the most cost-effective, high-performance and secure products in the market – the total transaction solution that provides tangible significant advantages over the competition.

## Key Features

- Cost-effective and easy-to-use PIN entry device
- Unique custom decoration creates a new vehicle for brand awareness
- Meets the latest security standards
- Visa PED approved
- Triple DES capable
- Two-line backlit display
- Range of magnetic stripe and chip card reader options
- Easily integrated with existing POS devices

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 authorization 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.

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## Technical Specifications:

### Keypad

- Elastomeric: 16 keys

### Display

- LCD: 2 x 16 characters
- Backlight: 25,000 hours (calculated)

### Card Reader

- Magnetic stripe: Optional; Tracks 1, 2 (standard), Tracks 2, 3 (optional); 400,000 reads (calculated)
- Chip card: Optional; EMV 4.0 certified; ISO 7816; non-captive; 3V and 5V cards; two 5V SAM sockets

### Communications

- PIN pad port: RS-422 PIN (standard), RS-232 3-wire (optional)

### Power

- 12 V @ 100mA (standard)

### Security

- Physical: Visa PED approved; intrusion detection, secure cryptographic module

### PIN Encryption

- DES: PIN-ANSI X9.8, MAC-ANSI X9.9 Part 1-ANSI X9.24
- Triple DES: ANSI X9.52
- Key management: 12 master/session keys or DUKPT

### Footprint

- 3.54 in x 6.73 in x 2.09 in/8.99 cm x 17.1 cm x 5.31 cm

### Weight

- 1.9 lbs/0.86 kg

### Environment

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

### Reliability

- 100,000 hours (MTBF calculated)

### Configuration Options

- PIN pad only
- PIN pad with magnetic stripe reader
- PIN pad with magnetic stripe and chip card readers

## Form

- Modern ergonomic design fits comfortably in the hand and makes it easy to use
- Oversized, colored OK and CANCEL keys aid in customer visibility and speeds transaction times
- Bright two-line backlit display creates easy viewing in diverse environments
- Unique custom decorating creates a new vehicle for brand awareness.

## Function

- Meets stringent security requirements, including a processor and RAM encased in epoxy with a secure cryptographic module, DES, Triple DES, Master/Session, DUKPT and Triple DES DUKPT support
- Physical 16-button keyboard configuration for ADA-compliant PIN entry
- Visa PED approved, EMV 4.0 approved.

## Flexibility

- Two optional configurations facilitate smooth migration - the S9S features integrated chip card reader and the S9SC features an integrated chip/magnetic stripe card reader
- Features Hypercom "plug and play" software, making it backward compatible with T7, ICE™ and Optimum terminals
- Complete set of software utilities to enable rapid integration into your existing POS terminal or ECR system.

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