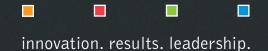# S9

the ideal modular upgrade

## Four versions accommodate most upgrade requirements:

- Meets all the latest security standards
- Visa-approved PIN entry
- Certified for Triple DES
- EMV4.0 type approved and compatible with Hypercom Crypto Processor (HCP)
- New easy-to-hold ergonomic design fits comfortably in customers' hands

HYPERCOM

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# S9

## the ideal modular upgrade

## Hand-Over Design Fights Fraud

The new Hypercom® S9 ensures security by letting customers always keep their credit or debit cards. Cardholders simply pick up the ergonomic S9 hand-over unit, swipe their card and enter a PIN, if needed. No need for cashier assistance.

## Rock-Solid Security

The S9 incorporates the most secure criteria in electronic transaction technology globally, including new EMV standards. Easy-to-read user interface has an illuminated display and oversized, colored OK and CANCEL keys.

## Reads Both Smart and Magnetic Stripe Cards

Regardless of whether customers use magnetic stripe or smart card technology, three models of the cost-effective S9 accommodate both technologies and card readers are co-located to avoid user confusion. Model S9 is a PIN pad only. Model S9C is a PIN pad/terminal reading magnetic stripe cards. Model S9S is a PIN pad/terminal reading smart cards. Model S9SC is a PIN pad/terminal reading both smart and magnetic stripe cards. The smart card reader on all models accepts 3V and 5V cards or economic 3V-only cards.

## Fully Compatible

The S9 features Hypercom plug-and-play software and replaces all Hypercom PIN pads including the S1, S7 and S8 families. As a PIN pad, the S9 is fully compatible with all Hypercom terminals from the T7 series through the ICE™ family. It is Triple DES certified and EMV4.0 Type approved. Also Visa approved.

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# Specifications:

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

**Keypad**
Membrane: 16 silicone rubber keys

**Card Reader**
Magnetic Stripe Reader (optional):
  Tracks 1, 2 (standard)
  Tracks 2, 3 (optional)
  400,000 reads (calculated)
Smart Card Reader (optional):
  EMV4.0 certified; ISO 7816; non-captive;
  3V and 5V cards; two 5V SAMS

**Communications**
PIN Pad Port: RS-422 PIN (standard),
  RS-232 3-wire (optional)

**Power**
12 V, 100m A (standard)

**Security**
Physical: Visa PED approved; Intrusion detection, encryption coprocessor

**PIN Encryption**
DES: PIN-ANSI 9.8, MAC-ANSI 9.9,
  Triple DES
Key Management: Master/session keys (12)
  or DUKPT

**Footprint**
Dimensions: 3.54"x 6.73"x 2.09"/
  90mm x 171mm x 53mm

**Weight**
0.29lbs/130g (approximate)

**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**
Option 1: PIN pad only
Option 2: PIN pad w/magnetic stripe reader
Option 3: PIN pad w/magnetic stripe and
  smart card reader

Specifications subject to change without notice.

Celebrating 26 years of technology excellence, innovation and leadership, Hypercom Corporation is a leading global provider of electronic payment solution that add value at the point-of-transaction for consumers, merchants and acquirers, and yield increased profitability for its customers.

Widely recognized as the global payment technology innovator, Hypercom delivers comprehensive card payment terminal, network and server solutions that help merchants and financial institutions generate revenues and increase profits.

Headquartered in Phoenix, Arizona, Hypercom's card payment terminal, network and server solutions are leading the transformation of electronic payments in more than 100 countries.

**innovation. results. leadership.**

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