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► Applications

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Your Customers Want Convenience? Simply Hand It Over.

Compact, comfortable and convenient: the S9 PIN-based payment transaction devices from Hypercom are simple to use and cost-effective, too.

Look at it from your customers point of view. The S9's hand-fit and easy features maximize efficiency and responsiveness. It puts big number keys, colored OK and CANCEL keys, and a bright, backlit display right in the palm of their hands. A quick card swipe makes for faster transactions. There's even a custom decorating opportunity to boost your brand awareness.

Now see the S9 from your side. It meets every security and network integration standard – it's Visa PED-approved and triple-DES-capable. You get a choice of DUKPT or 12 master / session keys in one secure package. Two optional configurations let you move up to an integrated chip card reader or combined chip / magnetic stripe card service. And its complete software makes for easy integration with your existing POS terminal or ECR system.

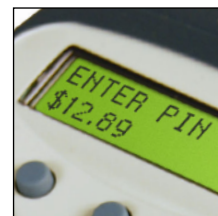
Hypercom's S9 line: it's the total transaction solution with benefits that you just have to touch to believe.



Handy for you and your customers



Easy-to-read keycaps



Two-line, backlit LCD

CUSTOMER COMFORTABILITY. RETAIL UTILITY.



Customer convenience ► *Easy-to-read, ADA-compliant*

Easy form factor ► *Handheld, secure PIN entry*

PIN encryption ► *Maximum customer security*

Hands-on durability ► *Silicone rubber keys, sturdy plastic case*

Optional flexibility ► *Integrated chip card or chip/mag stripe readers*

Easy integration ► *With other card payment terminals, systems*



CUSTOMER COMFORTABILITY. RETAIL UTILITY.

TECHNICAL SPECIFICATIONS:

KEYPAD

- Elastomeric: 16 keys

DISPLAY

- LCD: 2 x 16 characters
- Backlight: 25,000 (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 SAM sockets

COMMUNICATIONS

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

POWER

- 7.5 – 14 VDC, 100mA (standard)

SECURITY

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

PIN ENCRYPTION

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

FOOTPRINT

- **Dimensions:** 3.54in x 6.73in x 2.09in / 9.0cm x 17.1cm x 5.3cm

WEIGHT

- 0.5 – 0.6 lbs/0.22 – 0.27 kg (depending on the configuration)

ENVIRONMENT

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

RELIABILITY

- 100,000 hours (MTBF calculated)

CONFIGURATIONS

- PIN pad only (S9)
- PIN pad with magnetic stripe reader (S9C)
- PIN pad with chip card reader (S9S)
- PIN pad with magnetic stripe and chip card readers (S9SC)

The Form and the Fit for Your Purpose

- ▶ Fits the hand thanks to modern, ergonomic design, for fast, easy transactions
- ▶ Puts oversized, colored OK and CANCEL keys where customers can see and use them quickly and conveniently
- ▶ Offers ADA-compliant PIN entry with 16-button keyboard configuration
- ▶ Makes sales information easy to see with bright, backlit two-line display
- ▶ Allows custom decorating for extra brand awareness and sales messages

Security Pays Off at the Point of Sale

- ▶ Protects valuable cardholder information with cryptographic modules, fast Data Encryption Standard (DES) and Triple DES, and master/session keys
- ▶ Meets stringent security requirements, with epoxy-encased processor and RAM
- ▶ Provides Derived Unique Key Per Transaction (DUKPT) key management and Triple DUKPT support
- ▶ Features Visa PED and EMV 4.0 approvals

Maximum Flexibility Maximizes Return on Investment

- ▶ Works easily within your infrastructure as a handover or countertop device
- ▶ Enables rapid integration into existing POS terminal or ECR systems
- ▶ Makes migration smooth and easy with additional optional configurations: S9S model features integrated chip card reader; S9SC model offers an integrated chip/magnetic stripe reader
- ▶ Uses Hypercom "plug-and-play" software to ensure backward compatibility with Hypercom's T7, ICETM and Optimum terminals

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