

# S7SC Smart Card PIN Pad

adds smart card capability to every POS terminal

*Turn legacy terminals into smart card-capable terminals:*

- *Get triple DES encryption*
- *Provide support for both micro-controller and memory IC cards*
- *Manage master session and Derived Unique Key Per Transaction (DUKPT)*
- *Read cards with either embedded circuit or magnetic stripe technologies*
- *Ensure encryption key and PIN security with both hardware and software features*
- *EMV-compliant*



## *PIN Pad Security Essential*

PIN pads provide an extra layer of security against card fraud. In fact, they're so effective that regulatory bodies in the United Kingdom will require their use with all POS terminals beginning 01 January 2005.

Hypercom® S7SC Smart Card PIN Pads support several secure card access technologies and are equipped with 256K Random Access Memory (RAM) to support PIN pad-based POS applications. They operate with all Hypercom terminals and can be connected to ECRs or POS systems using a Hypercom adapter.

## *Prevents Inadvertent Corruption*

S7SC card readers prevent cards from being removed during transactions, thus causing inadvertent corruption of EPROM-based memory. Positive card ejection is controlled by both hardware and software to ensure cards are properly ejected at the end of transactions, as well as in the event of power failure or other system error.

S7SC PIN Pads have a range of hardware and software features that ensure encryption key and PIN security. The housing is sealed and the entire microprocessor and memory are permanently encapsulated in a metal housing.

*Hypercom Peripherals. Did it! Done it! Own it!*

*For more information about the S7SC Smart Card PIN Pad, please visit [www.hypercom.com](http://www.hypercom.com)*

*innovation. results. leadership.*



# S7SC Smart Card PIN Pad Specifications

adds smart card capability to every POS terminal

<b>Display</b>	LCD	2 lines x 16 characters standard 122 x 32 pixels optional
<b>Keypad</b>	15 keys 16 keys	10 numeric, 3 acc, 2 control 10 numeric, 4 acc, 2 control
<b>Card reader</b>	Embedded circuit	ISO 7816-1 for physical & contact distances EMV-compliant Synchronous IC, GPM, 103, GFM, 4K Asynchronous ISO 7816-3, T=0, PCOS, MCOS
<b>Comms</b>	Asynchronous LAN-compatible	4-wire, RS422, 9600 bps 2-wire, RS485, 19.2 Kbps
<b>Security</b>	Physical  Keyboard Software	Sealed housing with RAM & logic module encapsulated in metal Integrated with main PCB Boot O/S, encryption, display & keyboard drivers, applications, hardkeys & passwords loaded from external source
<b>Encryption</b>	Key mgmt.  Key loading	12 master/session keys, 12 PIN keys, 12 MAC keys or 1 DUKPT Load key only - Hypercom HKLM system & Hypercom LP-1 PIN pad interface Load & firmware keys - Hypercom HKLM system & Hypercom LP-2 PIN pad pod loader
<b>Environment</b>	Temperature Humidity ESD	0-45 C/32-115 F Max 95%, non-condensing 12,000 volts
<b>Footprint</b>	Dimensions	6.76 in x 3.5 in/17.15 cm x 8.89 cm
<b>Weight</b>		0.6 lbs/0.27 kg
<b>Product lifecycle</b>	Reliability	95,000 hours (calculated)

*Specifications subject to change without notice.*

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Hypercom Corporation (NYSE:HYC) is the leading global provider of electronic payment solutions that add value at the point-of-sale for consumers, merchants and acquirers, and yield increased profitability for its customers. Hypercom products include secure, Web-enabled card payment terminals that work seamlessly with its networking equipment and software applications for e-commerce, m-commerce, smart cards and traditional payment applications. The company's widely-accepted ePOS-Infocommerce (epic) framework of consumer-activated, EMV-certified, touch-screen ICE (Interactive Consumer Environment) terminals enable acquirers and merchants to decrease costs, increase revenues and improve customer retention. Headquartered in Phoenix, Arizona, USA, Hypercom is independently acknowledged as the leading provider of point-of-sale card payment terminals worldwide. Demand for Hypercom terminals surpassed one million units last year alone. Hypercom today maintains an installed base of more than 5 million card payment terminals in over 100 countries that conduct more than 10 billion transactions annually.