

CREON

Desktop POS Terminal



As a new member of SPECTRA's prestigious POS terminals, CREON is a compact, economical but powerful payment device. Casting with the outstanding features and innovative design, CREON definitely is the best choice for banks and financial institutions in EMV migration.

Realizes the "All-in-One" Design Concept

Although CREON is small in size, it realizes the "All-in-One" design concept. With its large memory capacity, it can handle various electronic payment transactions like credit card, debit card, EMV, loyalty, installment and small-purchase etc. in a single terminal.

Full Enhanced Options to meet your Needs

Apart from the standard configuration, CREON offers a variety of enhanced options to meet different needs of merchants. You can choose the MMC/SD/PSRAM option to further expand the memory capacity of CREON to cater for more applications; or use high-speed modem (up to 56K) for faster communications; or maintain an "always-on" connection by using TCP/IP protocol and wireless connection with GPRS module for outdoor application.

CREON Extended COM module support different Communication

In applications needing a compact EFTPOS connecting to multiple devices such as ECR, RF card reader or PC keyboard while maintaining modem and IP connectivity, CREON with the extended COM module will be the best choice for it. It provides Modem, Ethernet Port, 3 x RS232 Ports (two of them is circuit multiplexed). Furthermore one of the RS232 ports can be changed to a PS/2 keyboard interface, thus allowing easy entry of any characters by plugging a PC keyboard to it. It's up to the user's imagination to utilize this feature to enhance the scope of application for CREON.

Secures your Competitiveness

- Powerful 32-bit ARM processor with 256KB internal RAM
- Expandable memory with optional MMC/SD interface
- EMV Level 1 & 2 approved to embrace the chip card generation
- Fast and silent thermal printer with an easy drop in type paper loading
- RS232 port for integration with merchant's ECR system to simplify the operation
- Replace-able communication module for future enhancement and upgrade.
- Optional battery to maintain terminal in operation during power failure
- Ethernet and modem can co-exist for communication backup
- Optional integrated MiFare reader for contact-less transactions

Ergonomic Design

- Small and compact
- Stylish design with customizable color
- Great neatness by All-in-One cable
- Most preferred longitudinally aligned magnetic card reader
- Vertical inserted IC card reader asks for no extra foot print
- Large graphical LCD with back lit

Best Security in Class

- Equipped with EMV Level 1 approved chip card reader and Level 2 certified software module
- PCI/PED approved for both on-line and off-line PIN authentication
- Tamper resistant, tamper responsive, tamper evident
- RSA, DES, 3DES, MAC X9.9, DUKPT
- Secure application download

CREON Specifications

CPU	32-bit ARM core CPU
Memory	1MB/2MB SRAM (lithium backed) 4MB/8MB Flash memory Optional 4MB/8MB PSRAM Optional MMC/SD interface for memory expansion
LCD Display	128 x 64 dots FSTN type with Backlight 65 x 40mm
IC Card Reader	1 x Contact IC Card Reader (EMV Level 1 Certified)
MSR Reader	1 x Magnetic Stripe Card Reader (ISO Track 1-2/2-3/1-2-3 options)
SAM	4 SAM sockets
Keypad	18 keys (includes 1 Power-On key)
Real Time Clock	Lithium backed
Integrated PIN pad	PCI/PED approved for Online/Offline PIN (optional)
Battery	6V, 700mah NiMH rechargeable battery (optional)
Power input	DC 12V, 3.2A
Printer	2.25" easy loading type Thermal Printer Printing Speed: 22.5 lines / sec (Adjustable) Maximum paper roll diameter: 50mm
Modem	2400bps, 14.4/33.6/56K (optional)
Interfaces	1 x RS232 Port for ECR integration 1 x RS232 Port for external PIN pad / ECR 1 x Beeper 1 x 10 Base-T Ethernet port supporting TCP/IP, UDP/IP, DHCP, PPP and SSL protocol (optional)
Contact-less Reader	Integrated, MiFare type A, B or C (Sony Felica) (optional)
Other Options	All in one cable with junction box Extended com module with 3 x RS232 Ports, Modem and Ethernet External PIN Pad
Overall Dimension	208mm (L) x 90mm (W) x 63mm (H)
Weight	480g (without battery), 540g (with battery)
Working Conditions	
Temperature	0-45 C
R.H.	0-85% non-condense

* Specification is subject to change without prior notice

Ref: CREON-LF07E01



▲ Great neatness All in One cable



▲ Small and compact design fits perfectly in hand with most preferred longitudinally aligned magnetic card reader



▲ Extended com module provides Modem, Ethernet Port and 3 x RS232 Ports



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