

CREON

Wireless Payment POS Terminal
GSM/GPRS, CDMA or WiFi



Enable Payment
Anywhere,
Anytime!

Powerful, Compact, Wireless Payment Terminal

The idea of paying anywhere and anytime can be realized by the new Wireless CREON POS terminal of SPECTRA Technologies. You can accept payment efficiently and securely in different sales environment instead of a fixed cashier counter. CREON with wireless function not only extended the coverage area but also increased flexibility of payment transaction.

The product is especially suitable for all kinds of mobile type application such as taxi fare payment, hotel, restaurant, road show sales, exhibition sales, lottery, pre-paid top up and home delivery service. Besides, it is perfect for various transactions with EMV credit, debit, loyalty and contactless card.

World-class Features Meeting your Needs

SPECTRA's wireless CREON terminal incorporates world-class features to meet the needs of customers. The powerful 32-bit ARM processor secures your competitiveness by completing the transaction in seconds; super fast and silent thermal printer prints receipts at 22.5 lines per second; a large back-lit white ESTN LCD display delivers a clear view in any lighting condition; optional RF card reader caters for the contactless era; high memory extension by SD/MMC card or PSRAM allows much more data storage. Optional handfree kit allows voice communication for outdoor work and saves the cost of an extra mobile phone.

Ergonomic and Environmental Friendly Design

- Small and compact which fits the size of the palm
- Flexible communication options with GSM/GPRS, CDMA or WiFi
- Contactless card reader option
- Dual band design supports frequency at 850/PCS 1900 MHz or E-GSM 900/DCS 1800MHz with internal antenna
- Stylish design with customizable color
- Most preferred longitudinally aligned magnetic card reader
- Vertical insertion IC card reader asks for no extra foot support
- Large and white LCD display with bright back lit
- Clip on type battery makes battery replacement simple and easy

Benefits and Enhanced Features

- Powerful 32 bit-ARM processor
- Optional memory extension by SD/MMC card or PSRAM
- RS232 port for integration with merchant's ECR system
- Super fast and silent thermal printer of easy paper loading design
- Optional docking with fast charging function
- Very high battery capacity to support long operation time
- High quality environmental friendly Lithium-Polymer battery with no leakage, no memory effect
- Optional multi-battery charger to maintain terminal in operation during battery charging
- Optional handfree kit for voice communication (only for GPRS/CDMA)

Best Security in Class

- International standard with PCI PED approved for Online & Offline PIN transaction
- EMV Level 1 & Level 2 certified
- Tamper resistant, tamper responsive, tamper evident
- RSA, DES, 3DES, MAC X9.9, DUKPT
- Secure application download

Optional Features

Specifications

CPU	32-bit ARM core CPU
Memory	1MB / 2MB SRAM (Lithium backed, last for 3 yrs) 4MB / 8MB Flash memory (Optional, SD / MMC interface and 4/8MB PSRAM for memory expansion)
LCD Display	128 x 64 dots FSTN type with white LED back lit Viewing area: 65 x 40mm Backlight color for green / white options
IC Card Reader	1 x Contact IC Card Reader (EMV Level 1 Certified)
MSR Reader	1 x Magnetic Stripes Card Reader (ISO track 1-2/3/1-2/3 options)
SAM	2 x SAM sockets, plus 2 x SAM sockets (Optional)
Keypad	18 keys (includes 1 Power-On key)
Bat Time Clock	Lithium backed
Pinpad	Integrated, PCPED approved for Online & Offline PIN (Optional)
Battery	7.4V, 2400mAh Lithium Polymer rechargeable battery (Optional, built-in battery level indicator)
Charger	Bulk-in fast charger (Optional, 5 hrs to fully charged the battery) Docking fast charger (Optional) Multiple battery charger (max. 3 battery charge at same time, 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: 40mm
Contactless module	ISO14443A/B/C (NFC) (Wireless) with built-in antenna or display region (Optional, ranges up to 4cm, frequency 13.56MHz)
Interfaces	1 x COM Port for external Pinpad / ECR 1 x IrDA 1 x SD / MMC Interface (Optional, only with 2 SAM configuration) 1 x Phone jack (RJ-45) for hands free for voice communication 1 x GSM / GPRS / CDMA link status indicator Option 1: 1 x RS232 port for external Pinpad / ECR Option 2: 1 x RS232 port for external Pinpad / ECR Optional Modem: 2400bps, 14.4/33.6/56K 1 x RS232 port (COM2)
Overall Dimension	199mm (L) x 90mm (W) x 64mm (H)
Weight	500g (without battery), 620g (with battery)
Working Conditions	Temperature: 0-45 °C R.H.: 0-85% noncondense
Communication Module	
GSM/GPRS module	1) Supports GSM 850/PCS 1900 MHz or E-GSM 900/DCS 1800MHz 2) TV SM interface with SM card detection 3) GPRS class 10 with built-in signal strength detection 4) Internal antenna
With module	1) Optional for 802.11b ISM band (DSSS, DSSS/DQPSK/COOK modulation) or 802.11b/g ISM band (DSSS, DSSS/DQPSK/COOK modulation, OFDM, BPSK/16QAM/64QAM modulation) 2) 64/128 bit key WEP, WPA, TKIP Wireless data encryption 3) Supports up to 11Mbps per channel for 802.11b and 54Mbps per channel for 802.11b/g 4) Internal antenna
CDMA module	1) Support CDMA 800/1900MHz (CDMA2000 1x RTT, IS95A/B) 2) Support built-in with card detection 3) Built-in signal strength detection 4) Internal antenna

* Specification is subject to change without prior notice

Ref: WCREON-LF06E01



▲ Docking with fast charger



▲ External charger



▲ Handfree kit for voice communication



▲ Leather carrying case



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