EFTPOS
Vega5000S

Description

Castles Technology, a leader in contact and contactless payments technology, introduces next-generation **Vega5000S**. Prized for portability, speed of service, and flexible communications options, **Vega5000S** builds on the performance and style of the popular Vega5000 line.

Equipped with high security 32 bits microprocessor, expanded memory, and enlarged LCD color display, **Vega5000S** combines great looks with high-performance, making it the perfect choice for quick service, high-volume merchant environments. Choose from the portable handset paired with communications base or non-modular countertop model for a seamless payments experience.

An optional customer-facing contactless reader affixed to the thermal printer cover supports A and B contactless card types from card emulation through NFC peer-to-peer mobile wallet transactions, and is certified by Visa payWave®, MasterCard® PayPass™, American Express and JCB J/Speedy. With a winning combination of multi-application, menu-driven design, Linux operating system, and PCI PTS certified internal PIN pad, **Vega5000S** is an ideal choice for traditional point of sale and next-generation customer-facing payments.

EFTPOS Vega5000S

Features

- *Mass Storage Support*
- *High Security CPU*
- *Open Architecture Linux Operating System*
- *Various Communication Interface*
- *PCI PTS v3.x Certified*
- *EMV 4.x L1 and L2 Certified*
- *Contactless Reader*
  (Visa payWave®, MasterCard® PayPass™ Certified)
- *Portable & Countertop both types are available*

Specifications

Processor	32 bits high performance secure Microprocessor, @ 400MHz		
Memory	Internal Memory	Flash : 128 MB or 128~512MB, DDR RAM: 32 MB, 64 MB or higher	
	Extension Memory	Micro SD socket	
Display	2.4" TFT LCD 240(RGB) x 320 with backlight / 128 x 64 graphical LCD with backlight		
Card Readers	Magnetic Strip		ISO 7810, 7811 & 7813 Triple track, Bi-Directional
	Contact Card - User Card		ISO 7816 ID-1 1.8V/3V/5V T=0, T=1
	- SAM Card		ID-0000, 4 SAM slots
	Contactless		ISO 14443 Type A, B, ISO 18092 NFC and Mifare® & SONY® Felica Working frequency 13.56MHz (Optional)
Crypto	TRNG, DES, T'DES, AES, RSA, MK/SK, DUKPT, T'DES DUKPT		
Communication Interface	Handset	RF	GPRS 900/1800/850/1900 MHz (Optional) UMTS / HSDPA 850/1900/2100 MHz (Optional) CDMA (Optional)
		WiFi	Optional
		ZigBee	Optional
		USB	USB2.0 (Full Speed Host / Device compliant)
	Base	Dial-up Modem	Built-in V.90 bis Fast Connect Modem and Support Sync HDLC
		Ethernet	10/100 Ethernet
		ZigBee	Optional
		RS232	RS232 x 3 (Communication speed : up to 115200 bps) on base
		USB	USB2.0 (Full Speed, Device only)
Keypad		Up and down navigator Standard 15 keys EMV keypad 3-4 programmable function keys	
	Backlight	Optional	
Indicator	LED	3 LEDs	
	Audio	Buzzer	
Printer	Thermal Type	Paper width: 58mm, Paper roll diameter: 40mm(Portable) / 50mm(Countertop, Max printer speed : 100mm/sec	
Power	Handset	Power Adaptor	9V/5A
		Battery (Portable)	Li-Polymer 7.6whr built-in battery charger with the protector
	Base	Input : AC100V/240V 50/60 Hz 2A Adaptor Output : 9V/5A	
Dimensions	Counter Top	Weight	180mm(L) x 82mm(W) x 71mm(H) 375g (without Li-Polymer battery)
	Handset	Weight	175mm(L) x 82mm(W) x 64mm(H) 425g (with Li-Polymer battery)
	Base		149mm(L) x 75mm(W) x 40mm(H)
Environment	Temperature	Operating : 0℃ to 50℃ Storage : -20℃ to 70℃	
	Humidity	Operating : 5 % to 90% non-condensing Storage : 5 % to 95% non-condensing	
Certifications	Security & Payment	PCI PTS | EMV L1 L2 | MC-PTS | TQM | PBOC L1 L2 Visa payWave | Mastercard PayPass | American Express | JCB J/Speedy (For Contactless Model)	
	Safety, EMC	UL | CE | FCC | BSMI | RoHS	
Software	SDK, KMS, TMS, Simulator, CTOS library, ISO 8583 library, Crypto library		

Features and specfications are subject to change without prior notice.