PV4

A compact and powerful mobile printer

satoeurope.com

PV4 Technical Specification

PRODUCT SPECIFICATION		PV4
Series name		PV-series
PRINTING SPECIFICATIONS		
Print Resolution		203dpi
Method		Direct Thermal
Media setting position		Center alignment
Printer Type		Standard:Continuous, Tear-off, Dispenser Optonal: Linerless Options: Linerless
Print speed	Printer mode	Up to 127mm/sec (5 inches/sec)
	Temperature	Ambient temperature and battery status may reduce the speed.
Print darkness		Darkness level: 0 to 30 Default: 10
Printable area		Maximum Length 400 mm x Width 104 mm
Size/Weight	External dimensions:	W 158 mm x D 186 mm x H 82 mm (excluding protrusion)
	Height with cover open	W 158 mm x D 225 mm x H 127.3 mm (excluding protrusion)
	Weight	1,090g (including battery, excluding media)
	Package dimensions	W 297 mm x L 228 mm x H 91 mm
	Package weight	1.74 kg
Options		Smart Battery (spare) Single battery cradle Quad battery cradle Shoulder strap
Accessories	Battery	Standard accessories
	AC Adapter	Standard accessories
	Power Cord	Standard accessories
	Belt strap	Standard accessories
	Quick guide	Standard accessories
	Installation CD	Standard accessories
	Guide disks	Paper support disk: Standard 19 mm (0,75"). Optional 12mm (0,47") included
Printer driver		Windows Driver(Euro Plus/Seagul) Linux CUPS Driver, Mac CUPS Driver OPOS Driver
Tools		Utility Program(Unified Label Utility, Net Configuration Tool) Label Artist Mobile(iOS, Android), Bartender UL
SDK		iOS SDK, Android SDK, Windows SDK(Windows XP - Windows 10), mPrint server administration tool.
MEMORY & PROCESSING		
CPU	CPU1	ARM 926 core CPU 400 MHz, Linux SDK Windows Mobile CE SDK Xamarin SDK
Onboard memory	ROM	Flash 256 MB
	RAM	SDRAM 128 MB
OPERATING CHARACTERISTICS		
Battery specifications		Smart lithium ion battery
		Voltage7.2V Capacity : 6700mAh 48wh
	Charging method	AC adapter(Printer Charging), Single battery cradle, Quad battery cradle
		Charging Time: About 6 Hours (Adapter, Cigarette Lighter Adapter), About 10 Hours (Single/Quad battery cradle)

CONNECTIVITY

Interface			
	USB		USB 2.0 FS type C connector
	Serial		RS-232 Standard mini 14pin connector
	Wireless LAN		802.11a/b/g/n (infrastructure, Ad-hoc, Wi-Fi Direct, SoftAP) TCP/IP, HTTP, DHCPv4 Security: WEP, WPA, WPA2 Encryption scheme: None, WEP (64 bits/128 bits), AES/TKIP(WPA+WPA2 mix mode-PSK, WPA2-PSK)
		Channels	1 to 13 (2.4GHz) /36 to 64,100 to 140,149 to 165(5GHz) *Available channel varies with the country setting.
	Bluetooth		Ver.5.0 Classic + LE
			Profile: SPP,iAP2
			Easy Bluetooth Paring™ via NFC

OPERABILITY AND SERVICEABILITY

LCD specifications		TFT-LCD 2 inches (240 * 320, 262K Color)
Operability	Button operation	5 button: Power, Feed, Move Menu, Menu Select.
	Sensors	Black Mark Sensor (I-Mark), Gap sensor, Paper cover sensor, Label presence.
	Brightness adjustment	6 Step (might be changed later)
LED specifications		Red LED On : Charging Green LED On : Fully Charged Red LED Blinking : Error Replace or Reinstall Battery

MEDIA SPECIFICATIONS

Media			
	Media thickness (Label + liner)		0.07 to 0.15 mm
	Continuous	Length	6 to 400 mm (0.236" to 15.748")
		Width	50 to 112 mm (1,97" to 4,41")
	Tear-off	Length	6 to 400 mm (0.236" to 15.748")
		Width	50 to 112 mm (1,97" to 4,41")
	Dispenser	Length	6 to 400 mm (0.236" to 15.748")
		Width	50 to 112 mm (1,97" to 4,41")
	Media type/Media shape		Roll media (face-out wound)
			Fan-fold media
			Receipt, Linered, Continuous, Tag
	Black-Mark		Optical density 0.84 ~ 1.34
	Roll diameter/Core size		Roll media diameter
			Maximum 66 mm Inner core 19 mm or 12mm

FONT SPECIFICATIONS

Built-in print fonts	Bitmap font	10 SLCS Resident Fonts, 16 BPL-Z™ Resident Fonts, 7 BPL-Z™ Resident Fonts
	Scalable font	One SLCS Resident Font, One BPL-Z™ Resident Font
	Code page support	23 Code Page, Unicode supported (UTF-8,UTF-16LE, UTF-16BE)

STANDARDS AND REGULATIONS

Standards and regulations	Noise (EMC) regulations	CFCC, CE, SAR
	Safety regulation	UL, CB
	RoHS-2	Complies to the RoHS-2 directive restriction to use hazardous materials.
	WEEE	Compliance
	Drip/Dust-proof	IP54