

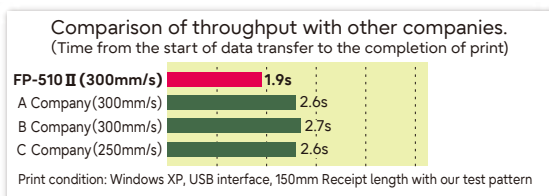
FUJITSU THERMAL PRINTER FP-510 II



Fujitsu Thermal Printer, FP-510II, a Multi-functional printer, delivering further improved high throughput and extensive print function for POS, Ticket, KIOSK and Label printing.

● High speed printing – further reduction in waiting time.

- Clear and high speed printing with 300mm/sec
- Higher throughput ability, less waiting time
- The original optimum design of Driver and Firmware achieves fast printout of the first page.



● Multi Interface available – Expands your usage

- Flexible Multi-Interface selectable (USB / RS232C(25pin) / Powered USB / LAN / Bluetooth)
- Android™ SDK and iOS SDK Available

Available interface of Android™ SDK

USB	LAN	Bluetooth
✓	✓	✓



Android™

Available interface of iOS SDK

USB	LAN	Bluetooth
-	✓	✓



● 16 Gray Scale function – produces vibrant images

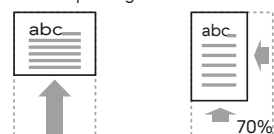
- 16 Gray scale function outputs vibrant and clear images even with monochrome printing. High resolution image printing capability supports your branding strategy to print product images on coupons and receipt advertisement (available with OPOS and Windows driver).



● Reduce printing – lower operation cost

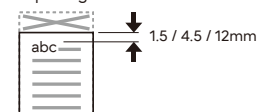
- Reduced print function of Windows Driver and Top Margin reduction function lowers paper usage. Operating cost and environmental impact can be reduced.

■ Reduce printing



- 1/4 reduced vertically
- 1/2 reduced vertically
- 80 width paper → convert to 58mm

■ Top Margin selectable 1.5 / 4.5 / 12mm



- ** remove receipt each time after printing in case of 1.5mm or 4.5mm margin setting

● High reliability mechanism-long and stable operation

- Head life 150km
- Cutter life 2 million cuts (Receipt paper)
- MCBF 70million lines

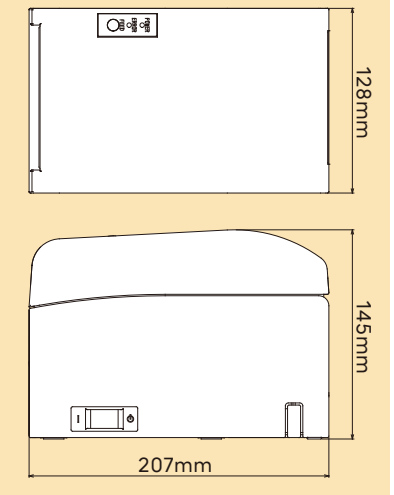
FUJITSU FP-510II Specifications

Printing Technology	Direct Line Thermal Method						
Print Resolution	8 dot/mm (0.125mm/dot) 203dpi						
Printing Speed	Monochrome: Maximum 300mm/s(69lps) Two color: Maximum 115mm/s(30lps)						
Paper Feed-out Direction	Front feed out						
Cutter Method	Partial-cut cutter (Standard) Full-cut cutter, Programmable Partial-cut and Full-cut cutter (Factory option)						
Auto Cutter Position	12mm(Standard) or Programmable 4.5mm of 1.5mm distance between cutter and top of form						
Paper	Paper width	83mm, 80mm, 60mm, 58mm,					
	Outer Diameter of Roll Paper	Up to 102mm (Paper thickness: 75~90µm) Up to 90mm (Paper thickness: 90~150µm)					
	Paper Thickness	75µm(0.075mm) - 150µm(0.150mm)					
Maximum Print Width	58mm width paper	48mm (384dots) or 52.5mm (420dots)					
	60mm width paper	54.5mm (436dots)					
	80mm width paper	64mm (512dots) or 72mm (576dots)					
	83mm width paper	80mm (640dots)					
Font size and Column			203dpi (Normal mode)			180dpi(Extended mode)	
			Font A (Column)	Font B (Column)	Font C (Column)	Font A (Column)	Font B (Column)
	Paper width 58mm	Body Face	12x24 (32 or 35)	10x24 (38 or 42) 9x24 (42 or 46)	8x16 (48 or 52)	12x24 (32 or 35)	10x24 (38 or 42) 9x24 (42 or 46)
		Letter Face	11x22 (32 or 35)	9x17 (38 or 42) 9x17 (42 or 46)	8x13 (48 or 52)	12x24 (32 or 35)	9x22 (38 or 42) 9x22 (42 or 46)
	Paper width 60mm	Body Face	12x24 (36)	10x24(42), 9x24(48)	8x16(54)	12x24(36)	10x24(43), 9x24(48)
		Letter Face	11x22 (36)	9x17(42), 9x22(48)	8x13(54)	12x24(36)	9x22(43), 9x22(48)
	Paper width 80mm	Body Face	12x24 (42 or 48)	10x24 (51 or 57) 9x24 (56 or 64)	8x16 (64 or 72)	12x24 (42 or 48)	10x24 (51 or 57) 9x24 (56 or 64)
		Letter Face	11x22 (42 or 48)	9x17 (51 or 57) 9x17 (56 or 64)	8x13 (64 or 72)	12x24 (42 or 48)	9x22 (51 or 57) 9x22 (56 or 64)
	Paper width 83mm	Body Face	12x24(53)	10x24(64),9x24(71)	8x16(80)	12x24 (53)	10x24 (64), 9x24 (71)
		Letter Face	11x22(53)	9x17(64),9x22(71)	8x13(80)	12x24 (53)	9x22(64), 9x22(71)
	Character Sets	1byte	ANK(95 char.), International Character(48 char.), Enlarged Graphics(128 char. x 20 pages), Download Character(95 char.),				
		2bytes	JIS 1 & 2 Kanji(6879 char.) JISX0208-1990, User-Defined character(94char.), Special Characters(845 char.)				
Barcode	Barcode	UPC-A, UPC-E, EAN13, EAN8, CODE39, ITF, CODABAR(NW-7), CODE93, CODE128					
	Two dimensional code	PDF417, DataMatrix, QR code					
Gray scale function	16scales (OPOS Driver only)						
Receive Buffer	Max. 4KB						
Logo Store Memory	3Mbits (Max. 384KB)						
Paper Near End & Paper End	Available						
Reflective (Black Mark) paper sensor	Factory option						
Internal Buzzer	One buzzer (Standard)						
Interface	Dual (RS232C+USB)	RS232C Serial (D-SUB 25pins) + USB(2.0 Full-speed, Type-B x 1port)					
	Dual(Bluetooth+USB)	V3.0/Power Class 2/SPP) + USB(2.0 Full-speed)					
	Powered USB	USB Full speed (FCI 8pins)					
	LAN	Wired, 10BASE-T/100BASE-TX (RJ-45 x 1port)					
Software Interface	ESC/POS emulation						
Drawer Interface	1 Drawer Controllable						
Printer Driver	Windows	Windows driver	Windows Server® 2019,Windows Server® 2016,Windows® 10,Windows Server® 2012 R2,Windows® 8.1,Windows Server® 2012,Windows® 8,Windows Server® 2008 R2,Windows® 7, Windows Server® 2008, Windows Vista®, Windows Server®				
		OPOS driver (Ver.113)	2003,Windows® XP, Windows Embedded for Point of Service (WEPOS),WEPOS Ready 2009,WEPOS Ready 7 *3				
		JavaPOS driver (Ver.110)	Linux SuSE11.4/13.2/42.4, Cant OS 6.4/7.4, Ubuntu 12.04/14.04/17.4				
Printer Utility	Linux	Printer Utility (to set the printer's setup items)	Status monitor *4				
		Android : 6.0 or more	iOS : LAN: 6.1.3 or more, Bluetooth: 8.0 or more				
		LAN Utility	Quick Setup PR-PortManager (Popup Status Monitor) Admin Manager (Printer Status Monitor, System Status Monitor, IP Address Setup)				
RELIABILITY	MCBF (Mean-cycle-between-failure)	70million Lines *1					
	Print Head	150km (Monochrome), 75km (Two color) *1					
	Cutter Life	2 million times of partial cut (Recommended Normal paper use) *1					
Power Requirements	DC Input: +24VDC±10% AC Input: 100 - 240V, 50/60Hz, Single Phase						
Power Consumption	During standby : 4.5w/0.2A , Average during operating : 44w/1.5A						
Operating condition	Temperature	Operation guarantee: 0 ℃ to 40℃ Print quality guarantee: 5 ℃ to 35℃					
	Humidity	10% ~ 95%RH (without condensation, Highest wet bulb temperature: 29℃ or less)					
ESD resistance	Direct application Contact discharge: 0~8kV *1						
	Direct application Air discharge: 0~15kV *1						
	Indirect discharge: 0~15kV *1						
RoHS and FUJITSU Environment Assessment	Standard						
Dimensions	128(W)x207(D)x145(H)mm						
Weight (without the packing box)	Normal Model: 19kg						
Cover Color	Black & White						

Features

- High speed printing max.300mm/s, One touch cover open, Drop-in method of paper roll loading.
- 16 gray scales function
- Reduced printing to save paper
- 180dpi emulation size font (Extended font)
- Various paper width support max. ∅102mm, 83mm
- Standard Buzzer
- PDF417,DataMatrix, barcodes
- High reliability
 - MCBF: 70 million lines
 - Head life: 150km
 - Cutter life: 2 million cuts
- Front paper ejection
- Splash-proof IEC 60529 IPX2
- RoHS and FUJITSU Super Green product

Dimensions



Super green product is the product which complies with Fujitsu group original severe environmental standard FP-510II passes our own severe environmental standard, and it is called "Super Green Product". The use of Recyclable material, Material Label attachment and Downsizing supports the environment.



JMI-0046

*1 Operation condition is under 500 transactions/day (1transaction=25LF + 1cut), 340days/year, print duty less than 9%, and the life of Head or Cutter with using specified paper by our company. If unspecified paper is used, the life of printer might be shortened than expected. Also, it might cause trouble for the printer.
 *2 Based on FUJITSU measurement and quality standards.
 *3 Bluetooth is not supported for Windows Server®2012, Windows Server® 2008, Windows Server®2003 and WEPOS.
 *4 Status Monitor does not support Bluetooth interface.
 *5 OPOS Driver and JavaPOS Driver do not support Bluetooth.
 *6 The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Fujitsu Isotec Limited is under license.
 *7 Other trademarks and trade names are those of their respective owners.
 Windows®: Microsoft Inc., iOS: Cisco Systems Inc., Android™: Google Inc., iPod/iPad: Apple Inc.
 *8 Apple Mfi License Program certified.
 All specifications are subject to change without notices.

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