Technical details

FUJITSU

Printing Technology			Direct Line Thermal Method				
Print Resolution			8 dot/mm (0.125mm/dot) 203dpi				
Printing Speed			Maximum 120mm/s for Monochrome only (Starting value 100mm/s)				
Paper Feed-out Direction			Top feed out				
Cutter Method			Partial cut				
Installation Direction			Horizontal or Vertical set is available *1				
Paper	Paper		Linerless Thermal Label (Fujitsu original label)				
	Paper width		80mm, 58mm,				
	Outer Diameter of Roll Paper		less than φ83mm				
	Paper Thickness		65μm - 85μm				
Maximum Print Width	58mm with paper		48mm (384dots) or 52.5mm (420dots)				
	80mm with paper		64mm (512dots) or 72mm (576dots)				

Font size and Column			203dpi(Normal Mode)			Approx. 180dpi (Extended Mode) *2	
			Font A (Column)	Font B (Column)	Font C (Column) *2	Font A (Column)	Font B (Column)
Paper with 58mm	Body Face		12x24 (32 or 35)	10x24 (38 or 42) 9x24 (42 or 46) *2	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) *2	8x13 (48 or 52)	12x24 (32 or 35)	9x22 (38 or 42) 9x22 (42 or 46)
Paper with 80mm	Body Face		12x24 (42 or 48)	10x24 (51 or 57) 9x24 (56 or 64) *2	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) *2	8x13 (64 or 72)	12x24 (42 or 48)	9x22 (51 or 57) 9x22 (56 or 64)

Character Sets			Alphanumeric character(95 char.), International Character(48 char.), Enlarged Graphics(128 char. X 20 pages), Download Character(95 char.),				
Barcode	Barcode		UPC-A, UPC-E, JAN13 (EAN), JAN8(EAN), CODE39, ITF, CODABAR(NW-7), CODE93, CODE128				
	Two dimensional code		QR code				
Receive Buffer			Max. 4KB				
Logo Store Memory			Max. 576KB				
Paper End			Available				
Internal Buzzer			Available to notice errors and printer status				
Interface *4	Dual		RS232C Serial(25pins) + USB(2.0 Full-speed)				
			Bluetooth(V3.0/Power Class 2/SPP) + USB(2.0 Full-speed)				
	Triple		RS232C Serial (9pins)+ USB(2.0 Full-speed)+Wired Ethernet(10BASE-T/100BASE-TX)				
Software Interface			ESC/POS emulation				
Drawer Interface			2 Drawers Controllable				
Software	Printer Driver	Windows	Windows driver	Windows®10,Windows®8/8.1, Windows Server®2012/2012R2, Windows Server® 2008/2008 R2, Windows® 7, Windows Vista®, Windows Server® 2003, Windows® XP, Windows Embedded for Point of Service (WEPOS) - WEPOS Ready 2009 - WEPOS Ready 7		
			OPOS driver (Ver.1.13)			
			JavaPOS driver (Ver.1.10) *5			
		Linux	JavaPOS driver (Ver.1.10) *5	Linux SuSE11.4 *6		
	Printer Utility		Software to set the printer's setup items Thermal printer setup (Installer) Printer Utility (to set the printer's setup items) Status monitor *5 LAN Setting tool (IP Address setup) Android SDK 2.3.3 or later(For Bluetooth and LAN interface use) Android SDK 3.1 or later(For USB interface use) iOS SDK 6.1.3 or later(For Bluetooth and LAN interface use)				
RELIABILITY	MCBF (Mean-cycle-between-failure)		30million Lines *7				
	Print Head		50km *7				
	Cutter Life		0.3 million times of partial cut (Recommended Normal paper use)				
Power Requirements			DC Input: +24VDC±10% AC Input: 100 - 240V, 50/60Hz, Single Phase				
Power Consumption			During standby Dual Interface:3W or less				
			Average during operating 38W or less, Maximum 150W or less				
Ambient Temperature			Operation guarantee: 0 ℃ to 40℃ Print quality guarantee: 5 ℃ to 35℃				
Relative Humidity			Operation guarantee: 10 % RH to 95% RH Print quality guarantee: 10 % RH to 85% RH				
Dimensions			144(W)x184(D)x120(H)mm, 5.7(W)x7.2(D)x4.7(H) inch				
Weight (without the packing box)			1.2kg				
Cover Color			Black & White				
Option			Wall hanging bracket,Splash-Proof Cover				
Supply			Fujitsu Linerless Label Paper Roll(58mm width / 80mm width) *8				

*1 When using printer vertically, connectors of AC cable and Interface cable should not be out of the printer case. (The connector of AC Cable should be "Angled" shape.)
*2 Depending on the region, this font is not included.
*3 This character set is for Standard version. Depending on the region, this set is different.
*4 This is selectable as a factory option.
*5 JavaPOS Driver supports RS232C Interface and USB Interface.
*6 Depending on the region, SUSE 9.3 is supported.
*7 Operation condition is under 250 transactions/day(1transaction=25LF + 1cut), 340days/year, print duty less than 9%, and the life of Head or Cutter using specified paper by our company.
  If unspecified paper is used, the life of printer might be shortened than expected. Also, it might be a cause of the trouble of the printer.
*8 Fujitsu Linerless Label must be used for this printer. Otherwise, the printer might be in defect. Please contact the dealer for purchasing labels.
Note: Pick up the label by each after printing.

All specifications are subject to change without notices.

Dimensions

144mm
120mm
184mm

Fujitsu Linerless Label

58mm
80mm

JMI-0046

http://www.fujitsu.com/jp/fit/en/

Fujitsu Linerless Label Printer
FP-1000L

Fujitsu Linerless Label printer FP-1000L takes over the most of the functions of Thermal Printer FP-1000, and it can print special label, Linerless Label.
Using this label enables to improve your operations especially in Order Entry Scenes such as Quick Service Restaurants.

- No need a motion to peel Liner off
- No need to dispose Liner, No waste
- No mistakes and Fast operation

shaping tomorrow with you

Fujitsu Isotec Limited

Usage, It's up to you!
Improve your operation for your customer.

When the customer orders foods, drinks and other side menus,
orders should be correctly cooked and the ordered menu should be passed to the customer.
But especially in the crowded shop,and it is hard for the shop to pass the correct order
to the customers,but customers do not want to wait. See examples below.

Example 1 At Coffee shop

・Compared to the fix-sized label such as Die-cut label, Length is not fixed,and Layout can be changed freely.

When the customer orders coffee and pays the check,Receipt is printed and also the order is printed by FP-1000L on Linerless Label. The shop clerk picks it up and sticks it on the cup. The clerk in the kitchen makes sure the order, and carries it out.

・The printing is clear, and no mistakes happens until the coffee is passed to the customer.
・Even though the Linerless Label is Thermal paper, you can stick it on the cup poured the hot drinks. Also, the surface of the label repels water, and it enables easier to use it in the kitchen area.

・There is no need to dispose Liner so that your motion is fast, and no wastes should be processed.

Example 2 At Grocery store
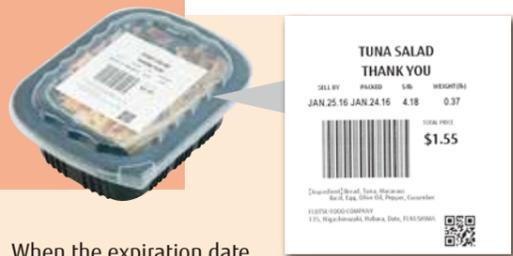
When the expiration date should be indicated on deli or other foods,
this printer is effective. Depending on contents, not only the valid date,you can also print Logos of your shop, images of your product and the barcodes on each sheet.

Example 3 At Bakery shop

Baking time!

Would you like to appeal your shop name and your products? You can use this printer in such a case. At the bakery shop, for example, you can show the shop name, baking time, and QR code of your shop's information on Linerless Label. The customer can put this label on any place at home to see the baking time to reserve his/her favorite bread and call the shop for asking to keep it.
After check, just stick the label with your shop and product information on the plastic bag,and pass it to customer.

Example 4 Order for Delivery

When the delivery shops like Pizza or Fried Chicken shops deliver to the customer, Receipt content in the label printing is convenient. You can put it on the box, and it is not blown away.

Useful for many scenes

Not only for order entry scenes, but also FP-1000L can be used in any scenes if you are using normal labels. Usage depends on you!

Logistics Warehouse Hospital/Drug store

*Please test if this label can stick on the object to be stuck before using.

Features of FP-1000L

Fujitsu FP-1000L Linerless Label Printer is designed based on FP-1000 Thermal Printer, and the most of the functions are inherited from FP-1000.

■ Drop-in Paper set
Just throw the paper inside the printer, and close the lid. Paper feeding route is opened, and it makes the maintenance easy.

■ Driver/Software Installation
FP-1000LL supports the same driver and software as FP-1000L. FP-1000L can be used as a receipt printer for emergeny.
Windows Driver, OPOS Driver and Utility Software can be easily installed. Just follow the user guide in original Installer.
IP address setting in Network environment can be quickly and easily setup with standard LAN setup tool.
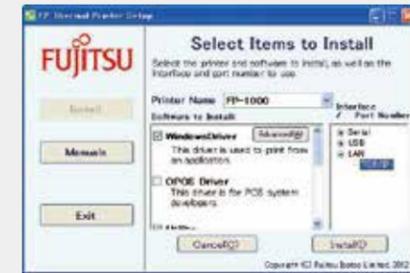
■ Top Margin 3mm
** Take off each receipt every time after printing in case of 3mm setting.

abc 3mm
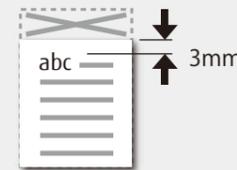
■ Barcode / 2-Dimension code
FP-1000L supports Barcodes and 2-Dimension codes (QR code).

■ Large Logo Store Memory
Image data can be stored up to 576KB.
You can store several Logo data.

### ■ Buzzer beeps when Label printed.
Buzzer is a standard equipment for the notice of order receipt printed. Various functions like Buzzer On/Off and 5 patterns of beep sound suite versatile restaurant environment.

Ex. You can select different sound patterns for Foods and beverages.

■ Reduced printing
・1/4 reduced vertically
・1/2 reduced vertically
・80mm width paper
→convert to 58mm

abc abc 70%
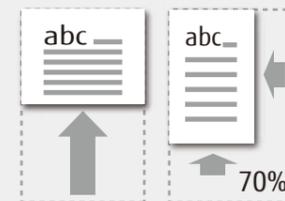
■ 180 degree rotation print
180 degree rotation print by Windows Driver is available. You don't need to turn the paper up side down when you use the printer vertically.

■ Multi-interfaces

Triple Interface
USB RS232C(9pin) LAN

Dual Interface
USB RS232C(25pin)

Dual Interface(USB + Bluetooth)
Bluetooth USB

■ options
Splash-proof cover
Wall-hanging bracket

*The life of Print head and Cutter is not the same as FP-1000.

## Fujitsu Linerless Label
■ Save Cost
Linerless label roll is packed by as much as 60% more labels compared to the standard label with the equal diameter roll. This enables reducing weight and space and increasing transportation efficiency
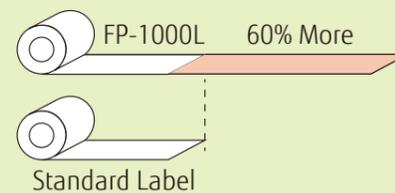
Less Replacing paper rolls
26.8m/roll 215m/8rolls
43m/roll 215m/5rolls

FP-1000L 60% More
Standard Label
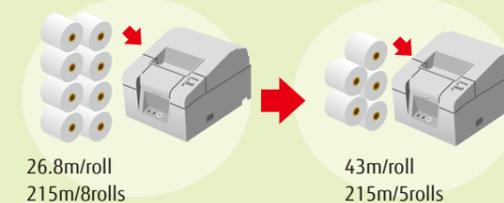
Less stocks of paper rolls
8 Boxes 5 Boxes
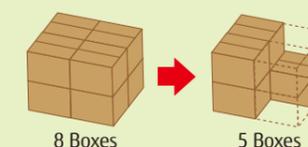
■ Eco Friendly
Fujitsu Linerless Label is designed for FP-1000L Printer. If you choose this printer and label, it improves your daily work,and also contributes to environment.

CO2 Down 52%

Compared to normal label (85mm X 65m), Linerless label efficiently reduces 52% CO2 emission. (from raw material to disposal, compared to our standard label)