FUJITSU

THE POSSIBILITIES ARE INFINITE

24 V DRIVE, FTP-607 SERIES

HIGH SPEED THERMAL PRINTER (80mm/s)

2-INCH TYPE MECHANISM (Optional Cutter)

FTP-627MCL103/383

■ OVERVIEW

TThe FTP-607MCL Series thermal printer (driven by 24VDC) provides ultra-high speed printing (80mm/s) for 2-inch and 3-inch wide paper. Our original platen removal mechanism allows easy paper loading and maintenance.

The FTP-607 MCL series can be used for a variety of applications, such as POS/ECR, Kiosk terminals, ticket issuing terminals, label printers, banking terminals, and measurement and medical equipment.

■ HIGHLIGHTS

- **Compact size**
  Height 15.5 mm, width 70.4 mm, depth 33.0 mm for the 2 inch model. The 3-inch product has a width of 92.4mm.

- **High speed printing**
  It can print at 80 mm/s (640 dotlines/s) maximum by using Fujitsu's unique head drive control.

- **Easy loading mechanism (ELM) type**
  Our unique platen removal mechanism improved paper loading and maintenance.

- **Multi-featuring diecast fame**
  By application of multi-featuring diecast frame, continous print by function of heat-sink, high ESD stand by function of earth frame and shock/vibration stand by function of solid frame are valid.

- **High resolution printing**
  8 dots/mm of resolution printing is possible.

FTP-627MCL103/383

■ PART NUMBERS

Name		Part Number
Printer Mechanism		FTP-627MCL103
Mechanism with Cutter		FTP-627MCL383#01 / #02*1
LSI		FTP-627CU201
Interface Board	parallel	FTP-627DCL218
	serial	FTP-627DSL238
Interface Cable (board to mechanism)	centronics	FTP-628Y202
	RS-232C	FTP-628Y302
Power supply cable	logic	FTP-629Y401
	head, motor	FTP-629Y601

*1: #01 is for full cut, #02 is for partial cut

■ SPECIFICATIONS

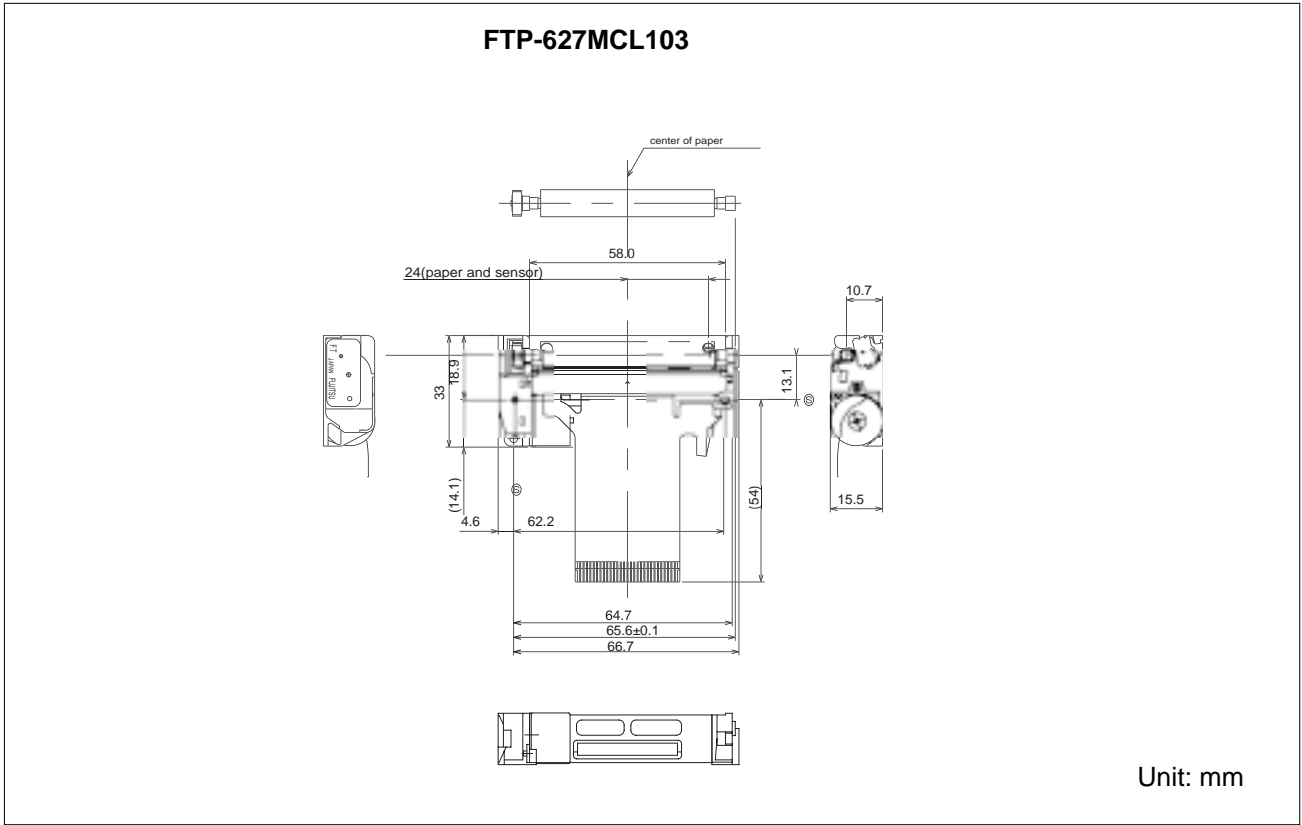| Item		Specifications	
Part number		FTP-627MCL103	FTP-627MCL383
Printing method		Thermal-sensitive line dot method	
Dot structure		384 dots/line	
Dot pitch (Horizontal)		0.125 mm (8 dots/mm)—Dot density	
Dot pitch (Vertical)		0.125 mm (8 dots/mm)—Line feed pitch	
Effective printing area		48 mm	
Number of columns		ANK 32 columns/line (max.12x 24 dot font)	
Paper width		58 mm$^{+0}_{-1}$	
Paper thickness		60 to 100 μ m (some paper in this range may not be used because of paper characteristics)	
Cutting type		---	full or partial cut
Printing Speed		Maximum 80mm/sec. (640 dot line/sec.)	
Character types		Alphanumeric, katakana: 159 types International and special characters: 195 types JIS Kanji (supported when Kanji CG is mounted): about 6800 types	
Character, dimensions (H×W), number of columns	(1.5 × 3.0mm) (3.0 × 3.0mm) (1.0 × 2.0 mm) (2.0 × 2.0 mm)	12 × 24 dots, 32 columns: ANK 24 × 24 dots, 16 columns: ANK, Kanji 8 × 16 dots, 48 columns: ANK 16 × 16 dots, 24 columns: ANK, Kanji	

■ SPECIFICATIONS

Item		Specification	
		FTP-627MCL103	FTP-627MCL383
Interface		Conforms to RS232C / Centronics	
Operating Voltage	For print head	24 VDC ±5%, 1.0 A (24V, 25% printing ration	
	For motor	24 VDC, 1 A maximum	
	For cutter		24 VDC, 1 A maximum
	For logic	5 VDC ± 5%, 0.2 A maximum	
External dimensions	Printer mechanism	70.4 x 33.0 x 15.5 mm (WxDxH)	76.6 x 66.3 x 33.0 mm (WxDxH)
	Interface board	70 x 60x 24 mm (WxDxH)	
Weight		Approximately 46g	Approximately 240g
Life	Head	Pulse resistance: 1x 10^8 pulses/dot (under our standard conditions). Abrasion resistance: paper traveling distance 50km (print ratio: 25% or less)	
	Cutter		1,000,000 cuts
Operating environment	Operating temperature	-20˚ C to +70˚ C	0˚ C to +50˚ C[1]
	Operating humidity	20 to 85% RH (no condensation)	
	Storage temperature	-20˚ C to +60˚ C (paper not included)	
	Storage humidity	5 to 95% RH (no condensation)	
Detection function	Head temperature detection	Detected by thermistor	
	Paper out/mark detection	Detected by photo-interrupter	
	Platen release detection	Detected by slide switch	
Recommended thermal sensitive paper		FTP-020PU001 (58mm)	

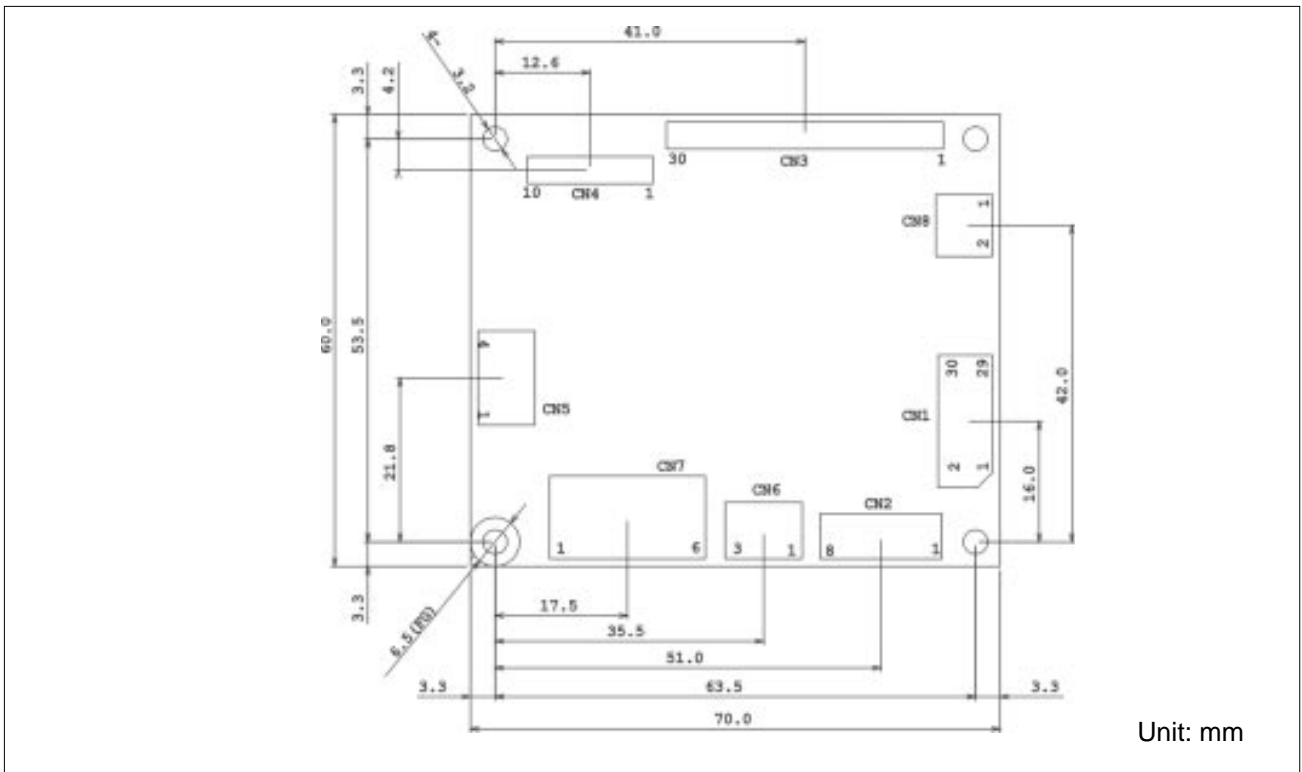[1]: printing density assurance range, operation is possible at 0˚C to +40˚C

FTP-627MCL103/383

■ DIMENSIONS

1. Printer mechanism

FTP-627MCL103

center of paper

58.0

24(paper and sensor)

10.7

33 18.9 13.1

(14.1)

(54)

4.6 62.2 15.5

64.7
65.6±0.1
66.7

Unit: mm

2 Interface board

Unit: mm

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