



Высокоскоростные термопечатающие механизмы FTP-63AMCL001, FTP-63AMCL011, FTP-63AMCL401, FTP-63AMCL411-R

Технические характеристики

Архангельск (8182)63-90-72	Ижевск (3412)26-03-58	Магнитогорск (3519)55-03-13	Пермь (342)205-81-47	Сургут (3462)77-98-35
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Воронеж (473)204-51-73	Курск (4712)77-13-04	Оренбург (3532)37-68-04	Сочи (862)225-72-31	Череповец (8202)49-02-64
Екатеринбург (343)384-55-89	Липецк (4742)52-20-81	Пенза (8412)22-31-16	Ставрополь (8652)20-65-13	Ярославль (4852)69-52-93
Иваново (4932)77-34-06	Киргизия (996)312-96-26-47	Казахстан (772)734-952-31	Таджикистан (992)427-82-92-69	

Единый адрес для всех регионов: fst@nt-rt.ru || www.fujitsu.nt-rt.ru

FUJITSU Component Thermal Printer FTP-63GMCL153/453 series

Fujitsu 3" high speed (up to 200mm/s) thermal printer mechanism with cutter option

Overview

The FTP-63GMCL series thermal printer driven by 24VDC provides high speed printing (up to 200mm/s) for 3-inch wide paper.

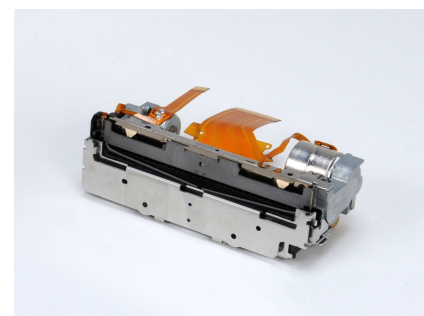
The series is suitable for a variety of applications, such as POS/ECR, kiosk terminals, ticket machines, label printers, banking machines, measuring devices, medical equipment, etc.

Features

- **High-speed printing**
It can print up to 200mm/s (1600 dotlines/s) maximum by using Fujitsu Components' unique head drive control
- **Rear paper insertion mechanism with lock type**
Fujitsu Components' unique platen release mechanism allows for a straight paper path and easy head maintenance
- **Auto Cutter**
Optional ultra-low profile auto cutter (full/partial cut) comes mounted from the factory.
- **Multi-feature diecast frame**
The rugged die-cast frame provides excellent ESD performance, is shock/vibration resistant and the heat-sink allows for continuous printing
- **Compact size**
Depth: 20.4mm, width: 96.2mm, height: 36.3mm (FTP-63GMCL153)
Depth: 32.4mm, width: 100.5mm, height: 45.6mm (FTP-63GMCL453)
- **High resolution**
8 dots/mm head provides clear print out
- **Paper width**
80mm
- **RoHS compliant**
- **UL recognized. File number E171434**



FTP-63GMCL153



FTP-63GMCL453

■ Part numbers

Item		Part Numbers
Printer mechanism	Back insertion	FTP-63GMCL153
Mechanism with cutter	Rear insertion	FTP-63GMCL453
Interface board	Serial (RS232C/USB)	FTP-62GDSL001#01 (Japanese font)
	Serial (RS232C/USB)	FTP-62GDSL001#02 (Traditional Chinese font)
Interface cable	Serial	FTP-62GY302
	USB	FTP-62GY301
Power supply cable	Logic, head, motor	FTP-62GY601

■ Specifications

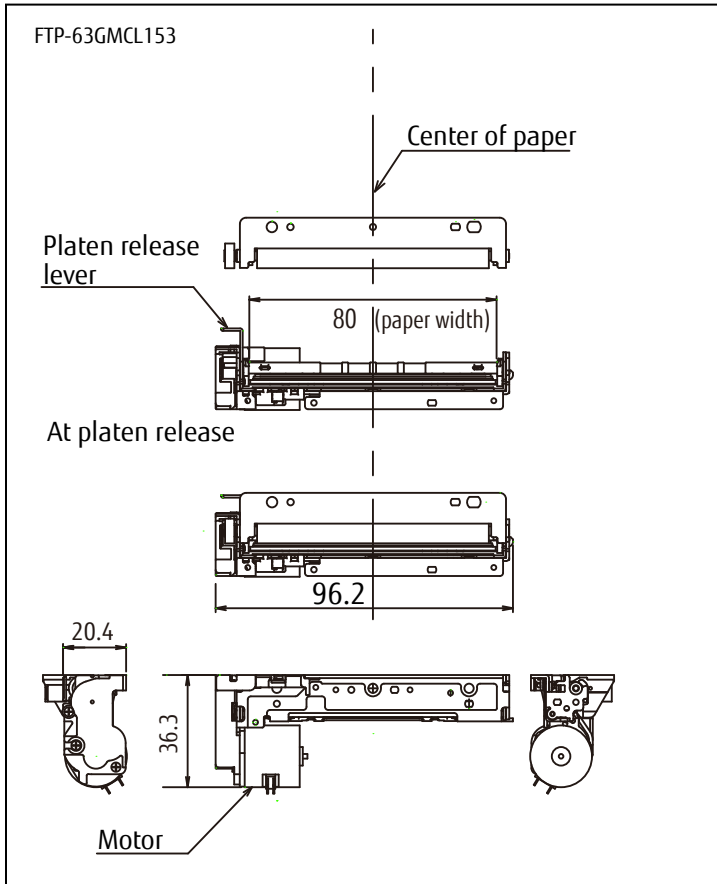
Item	Specifications	
Part number	FTP-63GMCL153	FTP-63GMCL453
Printing method	Thermal sensitive line dot method	
Dot structure	576 dots/lines	
Dot pitch (horizontal)	0.125mm (8 dots/mm) - Dot density	
Dot pitch (vertical)	0.125mm (8 dots/mm) - Line feed pitch	
Effective printing area	72mm	
Number of columns	ANK 48 columns/line (12 x 24 x dot font), OCD 24 columns (24 x 40)	
Paper width	80mm +0/-1	
Paper thickness	60-150 μ m*1	60-100 μ m*1
Cutting type	---	Full or partial
Printing speed	200mm/s (1600 dot lines/s)	
Character types	Alphanumeric KANA	159 types
	International and special	195 types
	OCRI	103 types
	OCRIII	23 types
	OCRIV	103 types
	Extended numeric	12 types
JIS KANJI level 1, 2, non-Kanji	JIS KANJI: approx. 6800	
Traditional Chinese	13, 503	
Character dimensions (W x H), number of characters	8 x 16 dots, 72 columns, ANK	24 x 40 dots, 24 columns, OCRI
	12 x 24 dots, 48 columns, ANK	24 x 48 dots, 24 columns, OCRII
	16 x 16 dots, 36 columns, ANK	36 x 60 dots, 16 columns, OCRIV
	24 x 24 dots, 24 columns, ANK	24 x 48 dots, 24 columns, extended numeric

*1: there may be exceptions

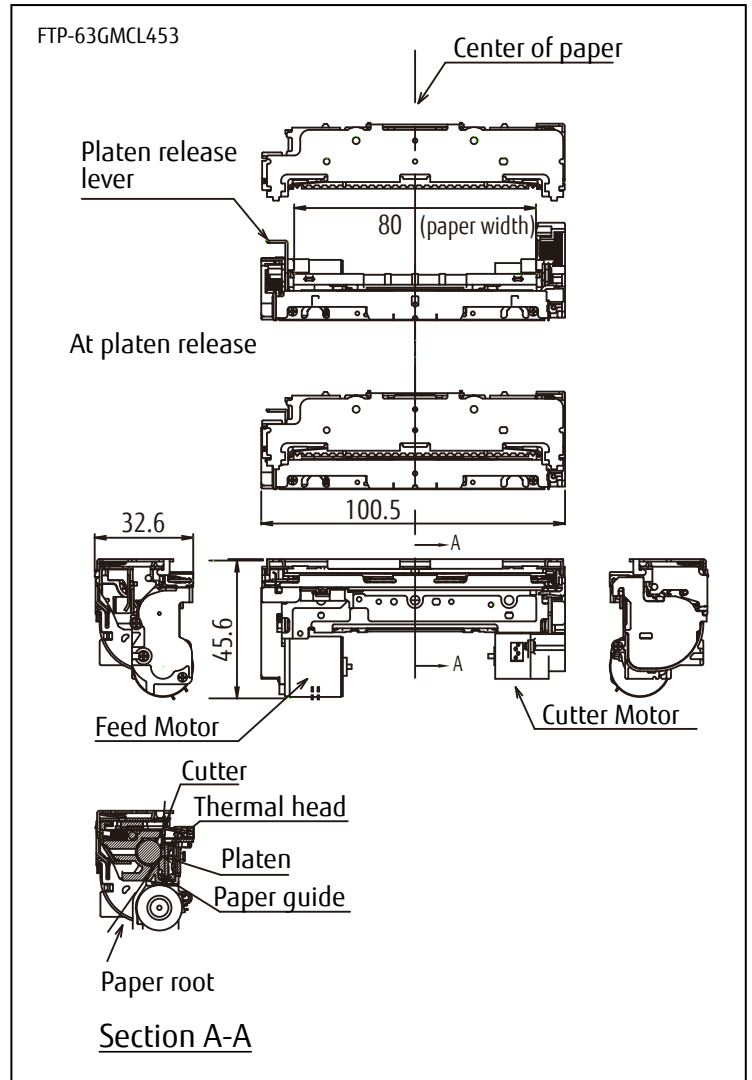
Item	Specifications	
Part number	FTP-63GMCL153	FTP-63GMCL453
Power	For head	24VDC \pm 10% 3A (24V, 1500 Ω , +25°C, concurrent applied dot number: 192 dots)
	For printer motor	24VDC \pm 10% 0.6A maximum
	For logic	3.3 or 5 VDC \pm 5% 0.1A maximum
Dimensions (WxDxH)	Printer mechanism	96.2 x 20.4 x 36.3mm
	Printer mechanism w/ cutter	---
	Interface board (DCL/DSL)	70 x 35mm
Weight	Printer mechanism	79g
	Printer mechanism w/ cutter	---
	Interface board (DCL/DSL)	15g
Expected life	Head	Pulse durability: 100 million pulse/dot (using Fujitsu Components' standard driving method) Wear resistance: 100km (at 12.5% print ratio)
	Cutter	---
Environmental conditions	Operating temperature	+5°C to +40°C (guarantee)
	Operating humidity	20 to 85% RH (no condensation)
	Storage temperature	-20°C to +60°C (excluding paper)
	Storage humidity	5 to 95% RH (no condensation)
Detection functions	Head temperature	By thermistor
	Paper out/Mark detect	By photointerrupter
	Head release	By slide switch
Recommended thermal sensitive paper	High sensitive paper	TF50KS-E45 (Nippon paper)
	Standard paper	TF-60KS-E (Nippon paper), FTP-020P0104 (58mm), PD150R (Oji paper), FTP-020P0701 (58mm)
	Medium term paper	TF-60KS-F1 (Nippon paper), FTP-020P0102 (58mm) PD170R (Oji paper) P220VBB-1 (Mitsubishi paper)
	Long term paper	PD160R-N (Oji paper)

■ Dimensions

- Printer mechanism 3-inch



- Printer mechanism / cutter 3-inch



Note: 1. Dimensions are nominal value)tolerance $\pm 0.5\text{mm}$ unless otherwise specified.
 2. Dimensions in () is reference value.

■ Connector pin assignments of cutter (FPC) 52559-4052 (Molex)

No	Signal	Content	I/O
1	VSEN	Paper sensor power	IN
2	PHK	Cathode for photo interrupter	OUT
3	PHE	Emitter for photo interrupter	OUT
4	N.C.	Not connected	-
5	VH	Head drive power	IN
6	VH	Head drive power	IN
7	VH	Head drive power	IN
8	VH	Head drive power	IN
9	DI	Data in	IN
10	/STB3	/Strobe3	IN
11	/STB4	/Strobe4	IN
12	VDD	Logic power	IN
13	GND	Head ground	-
14	GND	Head ground	-
15	GND	Head ground	-
16	GND	Head ground	-
17	GND	Head ground	-
18	GND	Head ground	-
19	GND	Head ground	-
20	GND	Head ground	-
21	TM	Thermistor	OUT
22	/STB1	/Strobe1	IN
23	/STB2	/Strobe2	IN
24	/LAT	/Data latch	IN
25	CLK	Clock	IN
26	VH	Head drive power	IN
27	VH	Head drive power	IN
28	VH	Head drive power	IN
29	VH	Head drive power	IN
30	N.C.	Not connected	-
31	SW	Platen switch release	OUT
32	SW	Platen switch release	OUT
33	MT_/A	Excitation signal /A	SINK/SOURCE
34	MT_/A	Excitation signal /A	SINK/SOURCE
35	MT_A	Excitation signal A	SINK/SOURCE
36	MT_A	Excitation signal A	SINK/SOURCE
37	MT_/B	Excitation signal /B	SINK/SOURCE
38	MT_/B	Excitation signal /B	SINK/SOURCE
39	MT_B	Excitation signal B	SINK/SOURCE
40	MT_B	Excitation signal B	SINK/SOURCE

■ Connector pin assignments of printer mechanism (FPC) 52745-1297 (Molex)

No	Signal	Content	I/O
1	MT_/B	Excitation signal B	SINK/SOURCE
2	MT_/B	Excitation signal B	SINK/SOURCE
3	MT_B	Excitation signal /B	SINK/SOURCE
4	MT_B	Excitation signal /B	SINK/SOURCE
5	MT_/A	Excitation signal A	SINK/SOURCE
6	MT_/A	Excitation signal A	SINK/SOURCE
7	MT_A	Excitation signal /A	SINK/SOURCE
8	MT_A	Excitation signal /A	SINK/SOURCE
9	N.C.	Not connected	-
10	VSEN	Paper sensor power	IN
11	PHE	Emitter for photo interrupter	OUT
12	PHK	Cathode for photo interrupter	OUT

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