FUJITSU Component Thermal Printer FTP-62GMCL153 series

Fujitsu 2" high speed (200mm/s)thermal printer mechanism

Overview

The compact, ultra low profile design FTP-62GMCL series thermal printer (driven by 24VDC) provides high speed printing (200mm/s) for 2-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.

FTP-62GMCL153#01 Components'

Features

■■ **High-speed printing**

It can print at 200mm/s (1600 dotlines/s) maximum by using Fujitsu unique head drive control

■■ **Rear paper insertion mechanism with lock type**

Fujitsu Components' unique platen release mechanism allows straight paper path and easy head maintenance

■■ **Multi-featuring diecast frame**

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

■■ **Compact size**

Depth: 20.4mm, width: 96.2mm, height: 36.3mm

■■ **High resolution**

8 dots/mm head provides clear print

out ■■ UL recognized, file # E171434

■■ **RoHS compliant**

■ Part numbers

Item		Part Number
Printer mechanism	Back insertion	FTP-62GMCL153 (58mm paper width)
		FTP-62GMCL153#01 (60mm paper width)
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-62GMCL153	FTP-62GMCL153#01
Printing method		Thermal sensitive line dot method	
Dot structure		432 dots/lines	432 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		54mm	
Number of columns		ANK 36 columns/line	
Paper width		58mm +0/-1	60mm +0/-1
Paper thickness		60-150μm[1]	60-150μm[1]
Cutting type		---	
Printing speed		200mm/s (1600 dot lines/s)	
Character types	Alphanumeric KANA	159 types	
	International and special	195 types	
	OCRI	103 types	
	OCRIII	13 types	
	OCRIV	103 types	
	Extended numeric	12 types	
	JIS KANJI level 1, 2, non-Kanji	JIS KANJI: approx. 6800 (FTP-628GDSL001#01)	
	Traditional Chinese	13, 503 (FTP-62GDSL001#02)	
Character dimensions (W x H), number of characters		8 x 16 dots, 54 columns, ANK 12 x 24 dots, 36 columns, ANK 16 x 16 dots, 27 columns, ANK 24 x 24 dots, 18 columns, ANK	24 x 40 dots, 18 columns, OCRI 24 x 48 dots, 18 columns, OCRII 36 x 60 dots, 12 columns, OCRIV 24 x 48 dots, 18 columns, extended numeric
Interface standard		Serial (RS232C, USB)	

[1]: there may be exceptions

Item		Specifications	
Part number		FTP-62GMCL153	FTP-62GMCL153#01
Power	For head	24VDC ±10% 2.8A (24V concurrent applied dot number: 176 dots)	
	For printer motor	24VDC ±10% 0.6A maximum	
	For logic	2.7 to 3.3 / 4.75 to 5.25VDC 0.1A maximum	
Dimensions (WxDxH)	Printer mechanism	76.2 x 36.3 x 20.4mm	
	Interface board (DCL/DSL)	70 x 35mm	
Weight	Printer mechanism	70g	
	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)	
Environmental conditions	Operating temperature	+5℃ to +40℃ (guarantee)	
	Operating humidity	20 to 85% RH (no condensation)	
	Storage temperature	-20℃ to +60℃ (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-E4 (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)	