

# FCL Components Thermal Printer FTP-638WSL201 series

FCL Components battery drive, 3" mobile thermal printer

## Overview

High speed, rugged mobile printer that can accommodate 2" or 3" paper width and a large diameter roll.

This exceptional printer is suited for a wide range of applications from mobile POS, warehousing, logistics and event ticketing.

## Features

- **High performance and easy operation**  
Max. 130mm/sec. print speed, built-in color LCD
- **Includes all modern interfaces**  
USB, Bluetooth®, WLAN, NFC
- **Paper options**  
Thermal receipt / Label (front/back mark, gap detection)
- **Rugged construction**  
2.1 meters and IP54 rated
- **Standard accessories**  
Belt strap, USB cable, AC adapter, battery
- **Optional accessories**  
5000mAh extended capacity battery, shoulder strap, car charger, battery charging cradle
- RoHS compliant



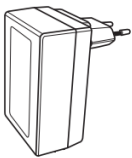
FTP-638WSL201

## ■ Specifications

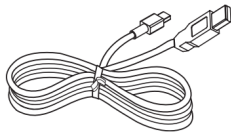
Item			Specifications
Part number			FTP-638WSL201
Interface			WLAN, Bluetooth 4.2, USB (V2.0), NFC (ISO/IEC14443 Type A)
Resolution			203dpi (8dots/mm)
Effective printing area			72mm
Media	Type		Thermal paper
	Width		50 to 80mm
	Thickness		60-160μm
	Core diameter		12.5mm
	Roll diameter		Max. 66.5mm
Power	Battery (Lithium Ion)		7.2VDC lithium, 2,500mAh (optional 5,000mAh)
	AC adaptor		Input: 100VAC to 240VAC Output: 5V, 2A
Print	Print speed		Max. 130mm/sec.
	Emulation		ESC/POS, CPCL, ZPL II
	Character types		Alphanumeric, International, Japanese Kanji, Korean, Chinese-GB2312, Chinese-BIG5
	Barcode	1D	EAN13, EAN8, CODABAR, CODE11, CODE39, CODE93, CODE128, ITF, LUPC-A, UPC-E, Planet, UPC-A
		2D	QR, MAXI CODE, PDF417, MicroPDF417, Datamatrix, Aztec, TLC39 GS1 DataBar-14 Stacked, GS1 DataBar-14 Omnidirectional
Dimensions			118 x 158 x 80mm (WxDxH)
Weight	Printer with battery		Approximately 725g
Life	Head	Pulse	1x10 <sup>8</sup> pulses
		Wear	50km
	Battery		200m (using a new battery, and operating under FCL Componets standard conditions)
Certifications			CE, FCC, UL/cUL, TELEC, VCCI
Environmental conditions	Operating temperature		-20°C to +55°C
	Operating humidity		10 to 90% RH (no condensation)
	Storage temperature		-30°C to +65°C
	Storage humidity		10 to 90% RH (without paper, no condensation)

■ Standard accessories

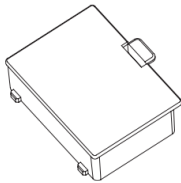
AC adapter



USB cable



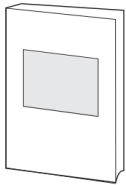
Battery



Belt strap

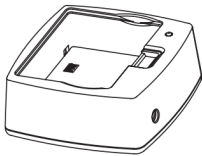


Quick guide

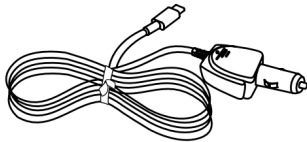


■ Optional accessories

Charging cradle



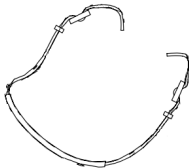
Car charger



Large battery

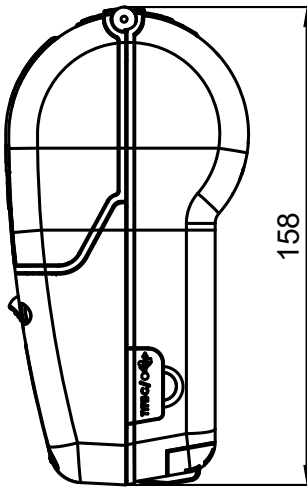
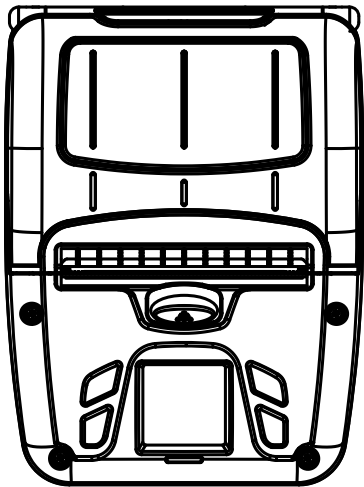
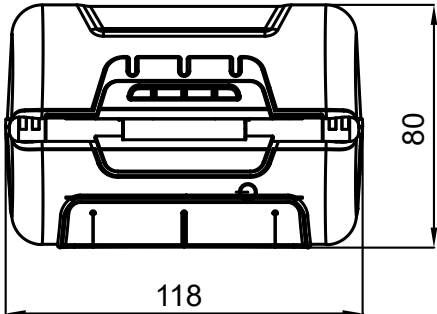


Shoulder strap



■ Dimensions

- Printer mechanism: 3-inch



Notes:  
1. Dimensions are nominal value tolerance  $\pm 5\text{mm}$  unless otherwise specified.  
2. Dimensions in ( ) is reference value.

## ■ Commands

Command	Content
HT	Horizontal tab
LF	Print and line feed
CR	Print and carriage return
FF	Print end position label to start printing
CAN	Cancel print data in page mode
DLE EOT	Real-time status transmission
DLE ENQ	Real-time request to printer
ESC FF	Print data in page mode
ESC SP	Set character right-side spacing
ESC !	Set print mode
ESC \$	Set absolute print position
ESC %	Select/cancel user-defined character set
ESC &	Define user-defined characters
ESC *	Set bit image mode
ESC -	Turn underline mode on/off
ESC 2	Set 1/6 inch line spacing
ESC 3	Set line spacing using minimum units
ESC ?	Cancel user-defined characters
ESC @	Initialize printer
ESC D	Set horizontal tab positions
ESC E	Select emphasized mode
ESC G	Select double-strike mode
ESC J	Print end feed paper using minimum units
ESC L	Select page mode
ESC M	Select character font
ESC R	Select international character set
ESC S	Select standard mode
ESC T	Select print direction in page mode
ESC V	Set/cancel 90° cw rotated character
ESC W	Set printing area in page mode
ESC \	Set relative position
ESC a	Align position
ESC d	Print and feed paper n lines
ESC t	Select character code table
ESC {	Set/cancel upside-down character printing
FS p	Print NV bit image
FS q	Define NV bit image
GS !	Select character size
GS \$	Set absolute vertical print position in page mode
GS *	Define downloaded bit image
GS /	Print down-loaded bit image
GS B	Turn white/black reverse printing mode on/off

Command	Content
GS H	Select printing position of HRI characters
GS I	Transmit printer ID
GS L	Set left margin
GS W	Set printing area width
GS \	Set relative vertical print position in page mode
GS a	Enable/disable Automatic Status Back(ASB)
GS f	Select font for HRI characters
GS h	Set bar code height
GS k	Print bar code
GS r	Transmit status
GS v 0	Print raster bit image
GS w	Set bar code width

Contact

**Japan**  
FCL COMPONENTS LIMITED  
Shinagawa Seaside Park Tower  
12-4, Higashi-shinagawa 4-chome,  
Tokyo 140 0002, Japan  
Tel: +81 3 3450 1682  
Email: fcl-contact@cs.fcl-components.com

**North and South America**  
FCL COMPONENTS AMERICA, INC.  
2055 Gateway Place, Suite 480  
San Jose, CA 95110 U.S.A.  
Tel: +1 408 745 4900  
Email: contact@fcl-components.us

**Europe**  
FCL COMPONENTS EUROPE B.V.  
Diamantlaan 25  
2132 WV Hoofddorp  
Netherlands  
Tel: +31 23 5560910  
Email: info@fcl-components.eu

**Asia Pacific**  
FCL COMPONENTS ASIA, LTD.  
No. 20 Harbour Drive, #07-01B  
Singapore 117612  
Tel: +65 6375 8560  
Email: fcal@fcl-components.com

**China**  
FCL COMPONENTS (SHANGHAI) CO., LTD.  
Unit 1105, Central Park –Jing An, No.329 Heng  
Feng Road, Shanghai 200070, China  
Tel: +86 021 3253 0998  
Email: fcsh@fcl-components.com

**Hong Kong**  
FCL COMPONENTS HONG KONG CO., LIMITED  
Room 13, 23/F, Seapower Tower, Concordia Plaza,  
No.1 Science Museum Road,  
Tsim Sha Tsui East, Kowloon, Hong Kong  
Tel: +852 2881 8495  
Email: fcsh@fcl-components.com

**Web:** [www.fcl-components.com/en/](http://www.fcl-components.com/en/)

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