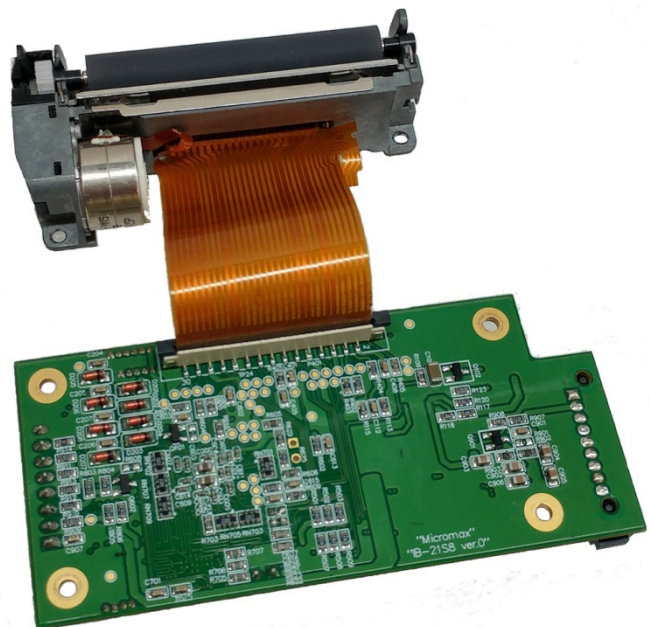# JARLTECH

# Thermal Printer 212 Series

## 2MO12XS  2-Inches Security Thermal Printer

### Product Features

- 2 Inches Thermal Printer
- Thermal Printing Method
- Dots/line 384 dots/line
- Printing Width (mm) 48 ± 0.2mm
- Paper Width (mm) Max.58mm (3.24 inches)
- Paper Thickness 60 to 100 μ m
- Easy Paper Loading
- Support Paper Near-End Sensor (Option)
- Support Wide Operating Voltage Range
- Support Encryption/Decryption Security Function

# Product Specification

## Printer

- Print Method :Thermal line dot printing
- Printing Speed :Max. 80mm/second
- Number of dots/line : 384 dots
- Print Resolution : 8mm (dots/mm)
- Printing Width : 48 ± 0.2mm
- Paper Width : Max. 58mm(± 0.1mm)
- Printing Thickness: 60 to 100 µm
- Print Color : Black

## Power Supply (V)

- Operating Voltage: 8V to16.5V
- Printer Head : 4.2V DC to 8.5V
- Stepping Motor : 4.2 V to 8.5 V (DCV)
- Head Logic : 3V to 5. 25V (DCV)
- Energy Consumption : 0.15mJ/dot
  (0.63ms/line, 25℃)
- Power Consumption : 0.24W/dot

## Life (Head)

- Electric Life : 100 million pulses
(Under our standard printing conditions.)
- Wear Life : Printing length, 50km
 (Under our standard printing condition)
 Printing rate 12.5%.

## Life

- Platen Opening Closing Life : More
  than 5000 times （Each open/close
  action counts as one time.)
- Photo Interpreter Life : $1.2 \times 10$ 4hours
  (electrified time) with the
  recommended circuit.

## Detection

- TPH Temperature : Thermistor
- Platen Position : Photo Interrupter
- Out Of Paper : Photo Interrupter

## Environment

- Operating temperature: 0℃ ~ 50℃
  (No Condensation)
- Operation Humidity : 20~85%RH
  (No Condensation)
- Storage Temperature : -20℃ ~ 60℃
  (Excluding Paper)
- Storage Humidity : 5 to 90%RH
  (No Condensation)

# Product Specification

## Additional Features

- Paper Near End Option Available
- Encryption / Decryption Security
  Option Available

## Interface

- RS233
- USB

## Fonts

- ISO 8859
- ISO 8859-2
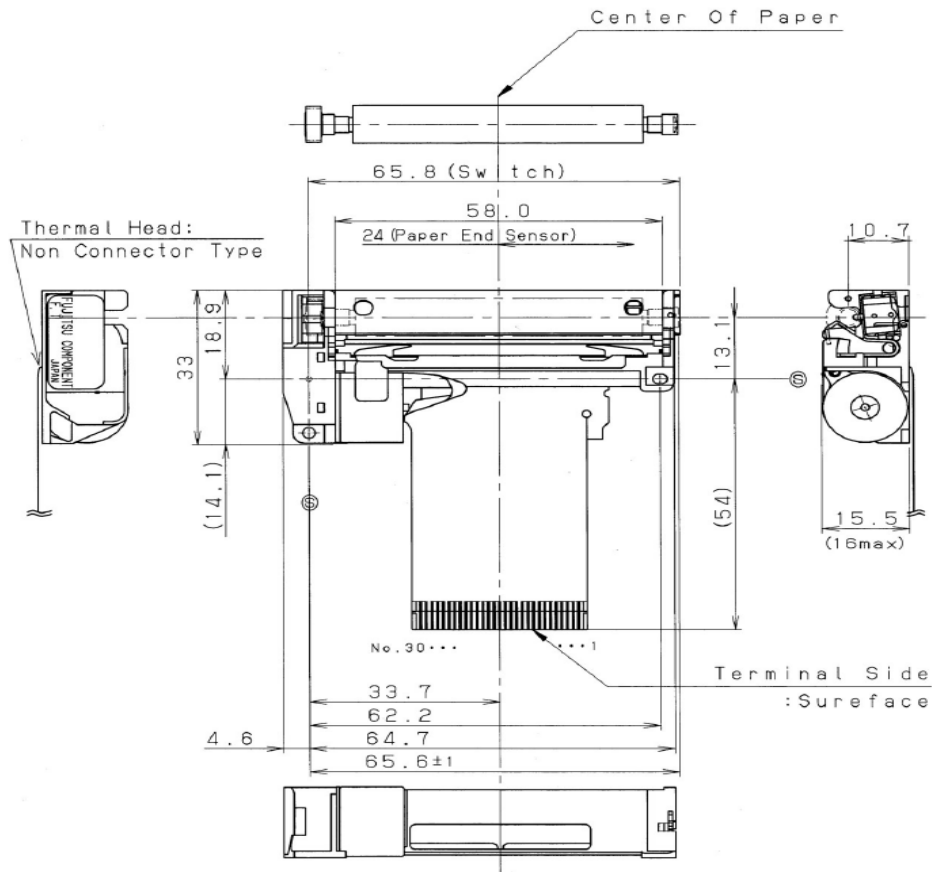- Traditional Chinese (Big 5)

## OS Support

- Windows 2000
- Windows XP
- Windows 7
- Linux Drivers

## Dimensions

- Printer Head : 70.2 x 33.0 x 15.5 mm
- Control Board : 92.3 x 27 x 13 mm
- Weight : 72 g (Printer mechanism)

## Certificate

- RoHS
- FCC  Class B
- ESD Level 2

Center Of Paper

65.8 (Switch)
58.0
24 (Paper End Sensor)

Thermal Head:
Non Connector Type

18.9
33
(14.1)

13.1
(54)

10.7
15.5
(16max)

No.30···    ···1

33.7
62.2
64.7
65.6±1
4.6

Terminal Side
:Sureface

## Product Introduction

The 212 series is a 2 inch thermal printer head, has a printing speed up to 80mm/s, with voltage supply of 12V and provide paper near-end sensor and security option. Thermal printers print more quietly and usually faster than impact dot matrix printers. They are also smaller, lighter and consume less power, making them ideal for portable and retail applications. The 212 series thermal printer module can be used for a variety of applications, such as portable terminals, POS, ticket issuing terminals, label printers, banking terminals, and measurement and Medical equipment.

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