

2 Inch Compact Thermal Printer



Highlights

Indian Regional Languages

Bar-code, Graphics and logo printing compatible

Supports 12/16/24/32/4 characters per line

Integrated Barcodes: EAN13, Code39, Code 128

Thermal Printing

Our printer driver card supports thermal line dot printing method. Our printer provides designers with a high-quality, cost-effective, space-saving printing solution for POS, kiosk, ticketing, labeling, banking, instrumentation and medical equipment applications.

CASCADEMIC uses high grade mechanism which produce clear, precise and high density printing. Platen block or platen unit open mechanism provides easy paper installation to our customers.

Application Interface

BlueTerm+ for bluetooth and TCP Client for Wi-Fi are suggested applications which customers can directly download from Google Play Store. CASCADEMIC also provides android SDK for bluetooth printing, so customer can easily build their application. For Serial PC interface it will widely supports all serial terminals like hyperterm, TeraTerm, Hercules, etc. This will work with various baud rate which we can change through command.

Print Support

The OEM thermal printer solution from CASCADEMIC is based on ultra low power processor, with its compact and battery operation capabilities, It is an ideal fit for the POS and low power economical embedded printing solutions. CASCADEMIC printer supports various fonts in English and any one additional regional language and It is capable of printing logo, Graphics and bar code printouts. CASCADEMIC uses their own command sets which printer can understand, with that user can customize the prints. At a time the printer can print a maximum of 3K bytes data.

Communication Interface

Printer can be connected to the device equipped with Bluetooth/ Wi-Fi/ Wired Serial interface. Using HC05 BT module which is fully compatible with BT 2.0. It has high sensitive receive signal, small size and low power consumption. Any mobile device will connect directly to the Wi-Fi of the printer. With the mentioned IP address and port we can feed the data to the printer.

Other Printer and Driver cards



2" Panel Thermal Printer



Token Dispenser System



Thermal Printer Driver Cards



3" POS Thermal Printer

Hardware	
Processor	<ul style="list-style-type: none"> NXP Kinetis ARM Cortex-M0+Core
Printer Head	<ul style="list-style-type: none"> Seiko Mechanism LTP01-245
Interface	<ul style="list-style-type: none"> Bluetooth/ WiFi/Serial/USB
Battery	<ul style="list-style-type: none"> Rechargeable 7.4 VDC / 1100 mAh
AC-DC power adapter	<ul style="list-style-type: none"> 9V, 2A
Software	
Interface support	<ul style="list-style-type: none"> B T- Android
	<ul style="list-style-type: none"> WiFi- Android
	<ul style="list-style-type: none"> RS232- Serial port terminals
Connectivity -Wireless	
B T	<ul style="list-style-type: none"> B T Version 2.0 GAP, SDP, SPP, and GATT profile support
WiFi	<ul style="list-style-type: none"> 802.11b/g/n Client and Access Point Mode
Connectivity -Wired	
Serial	<ul style="list-style-type: none"> RS232
USB	<ul style="list-style-type: none"> Mini USB
User Interface	
LED	<ul style="list-style-type: none"> Paper status
Paper	<ul style="list-style-type: none"> Paper detection Indication
ON/OFF	<ul style="list-style-type: none"> Power button
Test Feed	<ul style="list-style-type: none"> Feed button
Environment Parameters	
Operating temperature	<ul style="list-style-type: none"> -30 °C to +70 °C
Storage temperature	<ul style="list-style-type: none"> -40 °C to +85 °C
Relative humidity	<ul style="list-style-type: none"> 5% to 95% Non condensing



Mechanical Parameters	
Dimension	<ul style="list-style-type: none">76(W)*104(L)*38(H) mm
Tamper proofing	<ul style="list-style-type: none">No
Weight	<ul style="list-style-type: none">350 gm
Paper size	<ul style="list-style-type: none">2"
Printer head Parameters	
Print resolution	<ul style="list-style-type: none">203 DPI
Life time	<ul style="list-style-type: none">50 Kms Abrasion
Weight	<ul style="list-style-type: none">120 gm
Print speed	<ul style="list-style-type: none">75mm/sec
Paper size	<ul style="list-style-type: none">2"

Applications



Food Delivery

Courier Delivery

Restaurant

Transport&Logistics



Taxi/Bus/Auto Receipt



Traffic citation



Cable Rent collection





Industrial IoT Gateway



Energy Monitoring Solution



LoRa Connectivity Solution

Innovation towards Embedded Planet

Cloud Connectivity Solution



Environment Monitoring



Thermal Printer



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