CASCADEMIC Solutions Pvt. Ltd.

In the era of the smart and the convergence of technologies, we at CASCADEMIC extended and evolved our decades of embedded expertise from the SCADA to the M2M & Growing IoT space.

CASCADEMIC is a Fabless ODM Solution Provider in M2M and IoT. Specializing in Wireless Remote Monitoring, Sensors, and Controls & Industrial Automation.

In the process of continuous evolution and upgradation of technology, the process and processor SoC's are evolving and becoming more and more integrated. In addition, the complexities around RF, Ultra low power, Wireless protocols, and Embedded Java & Real time firmware applications built-on many such industrial embedded devices with long term reliability and availability requirements are increasing.

By addressing the above needs from the Concept to Manufacturing Vertical Integration, we act as an ODM partner for our Customer's Intelligent System Solution needs of:

Wireless Smart Flow Meter
OEM Thermal Printer Solution
Wi-Fi RFID Access Control Solution
Wireless Sensor Networks
Smart Automation & Control
GPS NAVI TRACK

ADDRESS

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2" Printer Driver Card

Compact driver card

Wide interface support

Wide printer head support

Ultra low power ARM micro-controller

Product Description:

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.

Our single Printer board is designed such that it support all SEIKO, Fijutsu and ALPS printer mechanisms and so small that it can it into you own enclosure.

Features:

Card Dimension		70mm x 35mm
Power supply		7.5 to 9 volts Powered via adapter or battery and 12V optional.
Interface		UART (TTL3.3V)/ USB (CDC-as serial)/ Bluetooth (v2.0+EDR)/ BLE/ WiFi
Printing	Speed	75mm/sec
	Resolution	203DPI(8dot/mm)
	Width (2 inch)	58mm
	Width (3 inch)	80mm
	Auto Cutter Support	Optional
Characters Per Line	2 inch	12/16/24/32/48
	3 inch	18/24/36/48/72
Paper	Type	Thermal Paper
	Width	57.5mm/79.5mm
	Thickness	0.065mm-0.086mm
	Roll Diameter	Max 40mm
Reliability	TPH Life	50km

Language	English	Courier, Calibri (Other fonts will be implemented based on customer request.)
	Indian regional languages (Optional)	Assamese, Bengali, Devanagari (Hindi & Marathi), Gujarati, Gurmukhi, Kannada, Malayalam, Oriya, Tamil and Telugu
Change Baud Rate		Baud rate can be configured. (from 2400 to 230400) Default baud rate is 9600bps
Command set support		Yes
Barcode printing		Yes – EAN-13 format (Other formats will be implemented based on customer request.)
Image/Logo printing		Yes
Sensor		Paper End Sensor, Platen Open Sensor
LED Indication		Power ON, Paper End, Platen Open, Printing Status

Application:

- Mobile/tablet/ POS / retail
- Hospitality, parking citations
- TAXI ticket, deliveries
- Onboard transportation
- warehouse/logistics
- Utility billing / meter reading etc
- You can carry anywhere, happy and convenience helper of receipt printing