



Embedded Motherboard based on STM32F103 ARM Cortex-M3 MCU

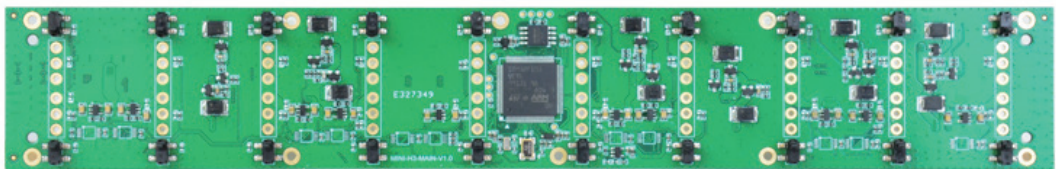
Description

The motherboard is customized for the shared power bank station, applying STM32F103 ARM Cortex-M3 MCU. It connects with the controlling cloud server and receive location information by 4G module.

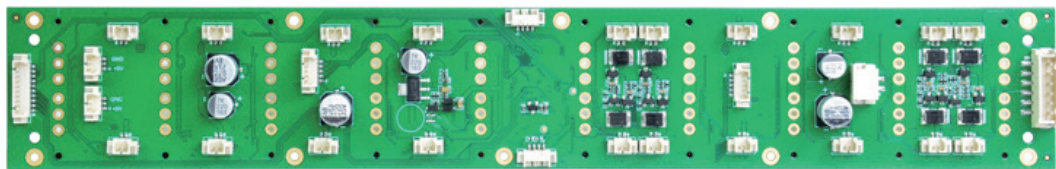
Specification:

Chipset	STM32F103, ARM Cortex-M3 MCU, Main frequency 72MHz
4G	1x 4G module
KEY	10 x KEY
LED	10 x LED
Powerbank Port	10 x I2C
Electromagnet Driver Port	10 x electromagnet driver port
5VDC OUT	10 x 5V OUT, supporting up to 2A current-limiting output protection
GPIO	5 x GPIO
RTC	1 x RTC power input
5V IN	1 x 5V/10A DC IN
12V IN	1 x 12V/2.5A DC IN
Size	270 x 42mm

Front View:



Back View:



ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9 years' experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinners and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

