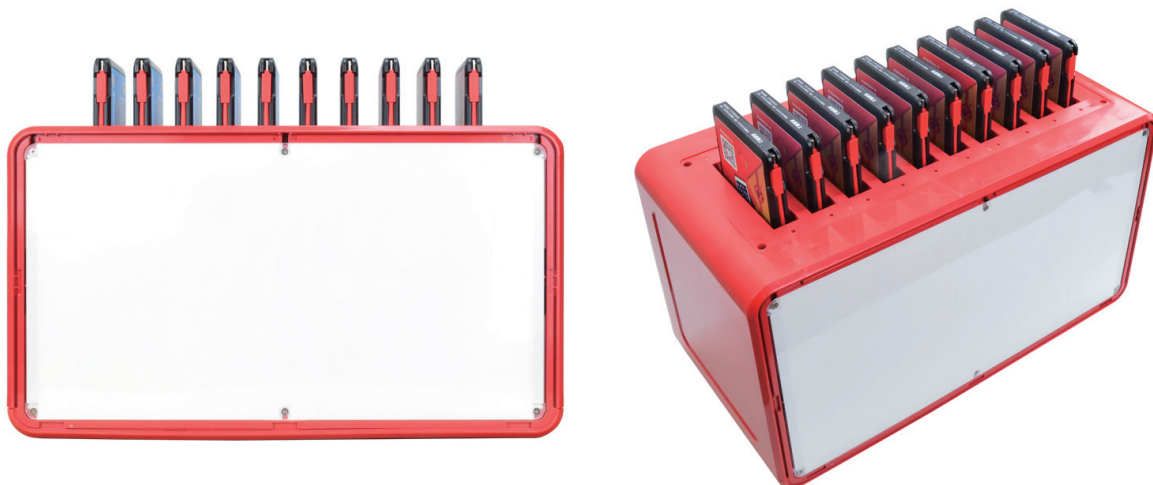**POLYHEX**

Shared Power Bank based on STM32G0B1VC Arm® Cortex®-M0+ 32-bit MCU

Description

The shared powerbank station is designed under STM32G0B1VC Arm® Cortex®-M0+ 32-bit MCU. It has 10 battery bay, allowing up to 10 x 5V/500mA batteries charging at the same time. It connects with the cloud server, and transmit information (including locataion status of the powerbank station) by 4G module. Polyhex provides the design and customization service for motherboard, outer chassis, LOGO and operation system.

Specification：

System	
Chipset	STM32G0B1VC, Arm® Cortex®-M0+ 32-bit MCU, 64MHz
Power Bank	
Power Bank Bay	10 x battery bay
Power Spec for Power Bank	Up to 5V/2A output, intelligent switch
Charging Spec for Power Bank	1. Support up to 4 x 5V/2A charging in the meantime
	2. Support up to 10 x 5V/500mA charging in the meantime
Communication	1 x 4G module
Indicator	10 x status LED indicator
Power Button	1 x power button
Mechanical	
Power Input	220V @0.25A, support 100V-240V wide voltage
Size	34.4 x 18 x 19.5cm

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9-year 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, Allwinner 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.

POLYHEX
Beyond the Embedded Deployment