

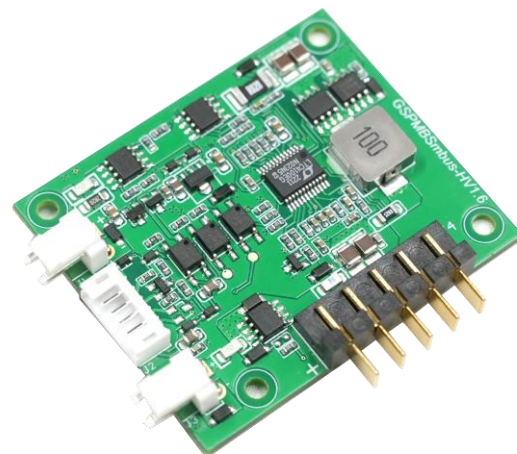
Battery Power Management Board



Model: GSPMBSMBus

■ Features

- Battery charging management & power path management.
 - Complete portable power supply solution
 - Follow the standard SBS/SMbus smart battery bus protocol
 - Adaptive adjustment of charging voltage and charging current
 - Comprehensive safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc
 - Supporting smart battery, no need for secondary development
 - Automatic power path selection. When the adapter is powered on, it can simultaneously charge the battery and power the host.
- When the adapter is disconnected, it can seamlessly switch the battery power supply



■ Application

Portable electronics, medical equipment, ruggedized computers, embedded systems, etc.

■ Electrical performance

DC input voltage	9V~24V (Input voltage should be greater than the maximum charging voltage+1v required by the battery.)
DC input current	5A
DC input power	120W MAX
Battery voltage	5-16.8V (Adaptive 2~4 series smart battery)
Battery charging current	3A MAX
Load voltage	Adapter power on: output voltage=input voltage Adapter power off: output voltage=battery voltage
Load current	5A MAX
Standby current	Adapter power on: < 15mA ((DC power) Adapter power off: < 35μA (Battery)

■ Environmental Condition

Charge Temperature	0°C~50°C
Discharge temperature	-20°C~60°C

■ Dimensions

Length	60.0mm
Width	50.0mm
Thickness	15mm MAX

■ Interface

Input	VH3.96-2P
Output	VH3.96-2P
Communication	PH2.0-6P
Battery	GSC550M09010D

