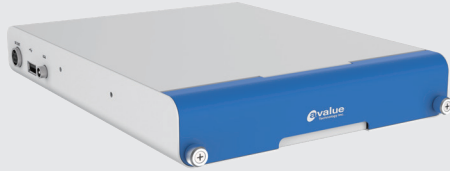


EPB-1001

Add-on Medical Power Module
with Two Hot-swappable Batteries



Features

- Easy integration with panel PC via VESA bracket for quick mobile power upgrade
- Dual hot-swappable batteries for uninterrupted power, as a UPS solution
- Selectable 12V/19V output for telemedicine workstation
- Intuitive battery management software supported (Windows & Android)
- Lower maintenance cost, compared to battery module of powered panel PC
- UN3841 compliant for cost-effective air shipment
- Compatible with locally purchased battery packs via universal battery expansion box



Hot-swappable
Battery



1.2 kg
Lightweight



Selectable
Output



Easy VESA
Installation

Specifications

System Information

Platform Controller Hub	LTC1760 Smart Charger IC LTC3789 Power IC
SBC	EPB-1001 battery board
MCU	IT8911
Battery	Optional dual hot-swappable smart battery pack 14.4V 6400mAh, 92.2Wh

External I/O

USB Port	1x Type A (data transmission only)
Power Output	1x Power DIN 4P 90D
Power Input	1x DC jack with lock

Power Specification

Input Power	24V/5A medical power adapter
Output Power	12/19V DC-out, max. 80W (Default set as 19V)

System Control

LED Indicato	Power / Battery 1 / Battery 2
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Certifications

Certification Information	Battery Pack: UN38.3, UL2054, EN 62133-2:2017 (Battery body EN 62368-1) EPB-1001: EN 60601-1 IEC60601-1 compliance ISO 14971 (RMF) EN 60601-1-2 4th (EMI ClassB) FCC class part-15B (ITE)
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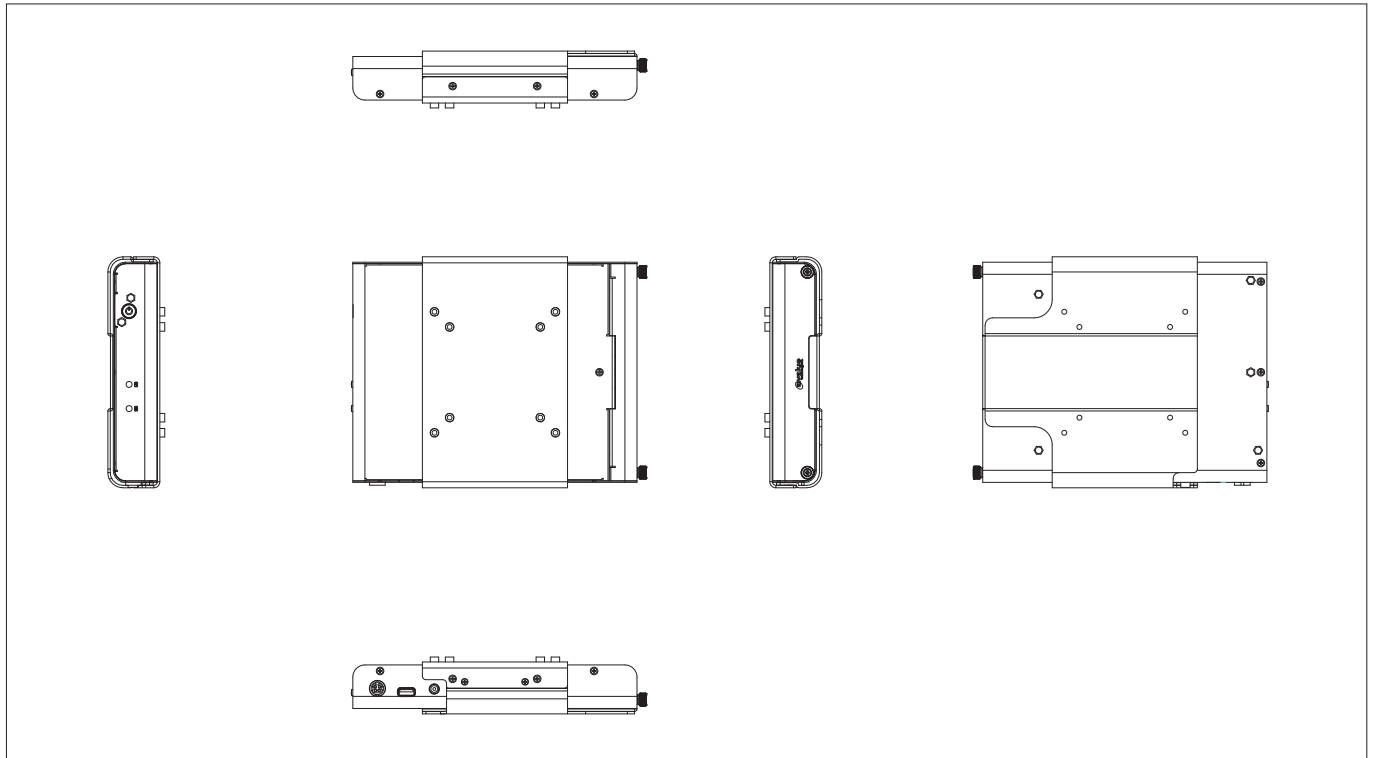
Mechanical & Environmental

Weight	1.2kg
Vibration Test	1.5 Grms, IEC 60068-2-64
Shock Test	10g, Half Sine, IEC 60068-2-29
VESA	Optional VESA bracket kit (75x75/ 100x100)
Dimensions (W x L x D)	235 x 182 x 36 mm
Fanless	Yes
Color	White/ Blue Black (optional)
Dust and Rain Test	Top Side IPX1
Operating Temperature	0 ~ 40°C (32°F ~ 104°F)
Operating Humidity	40°C @ 95% relative humidity, non-condensing
Storage Temperature	-40°C ~ 75°C (-40 ~ 167°F) (without battery pack)

EPB-1001

Add-on Medical Power Module
with Two Hot-swappable Batteries

Mechanical Drawing



Ordering Information

P/N	Description	Power Input	Power Output	USB
EPB-1001-891-A1R	EPB-1001 Battery Expansion Box (without batteries, adaptor, external cables)	24V/5A medical power adapter	12/19V DC-out, max. 80W	1 x USB Type A

Packing List

Item	Quantity
EPB-1001 Battery Expansion Box	1

Optional Items

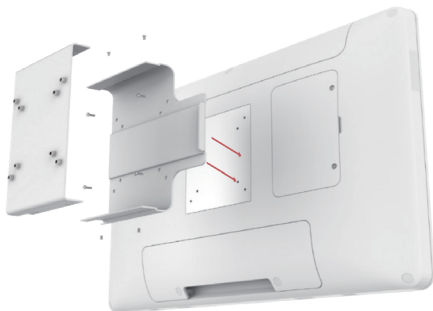
Item	P/N
Rechargeable Lithium Ion Battery, 4S2P, 14.4V / 6400mAh, TOTEX	ACC-BAT-4S2P-01R
AC/DC adapter 24V/5A 120W, Screw Type	ACC-ADP-120M-02R
4 Bay Charging Station w/120W Power Adapter	RCC-HID-BATCHR-01R
EPB-1001 VESA Bracket Kit, White	RCC-EPB-VESA-01R
EPB-1001 VESA Bracket Kit, Black	RCC-EPB-VESA-02R
External USB Cable 500mm	E170U080090R
Power DIN 4P-2.5 DC Plug	E170P080300R
External Power Output Cable 450mm DC Plug with lock	E170P060330R
External Power Output Y Cable DC Plug/ Power Din	E170P100110R
External Power Output Y Cable DC Plug/ Lockable DC Plug	E170P080290R
USB Cable A-Type (M)-Micro B (M) 100cm	E170U090350R

EPB-1001

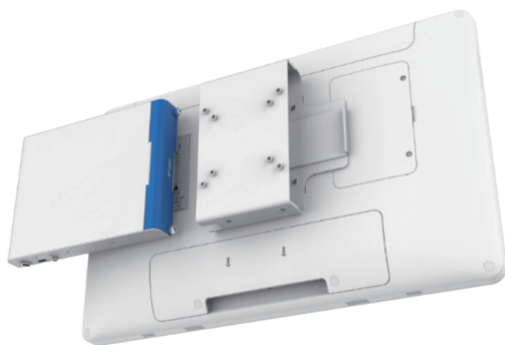
Add-on Medical Power Module
with Two Hot-swappable Batteries

VESA Bracket Installation

1. Install VESA brackets on the back of panel PC.



2. Install EPB-1001 into the VESA brackets.



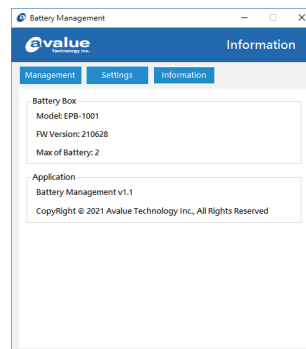
3. EPB-1001 is ready for charging panel PC.



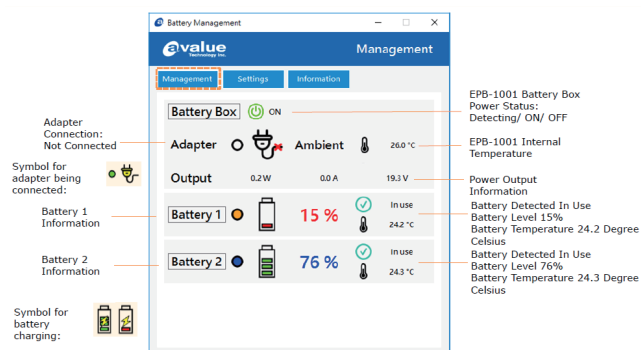
* Quick battery replacement without removing brackets.

Battery Management Software

Information



Management



Setting: Set parameters to trigger sleep mode

