

# Smart Battery Kit

## Integrated Power System and Remote Management Package



### Features

- Access real-time battery info remotely without client PC
- No complicated setting and cable routing
- Fast charging battery reduces waiting time
- IT and medical certified for safe use
- Substantial charge capacity with 2000+ charging times
- High power capacities and low power consumption

### Introduction

Advantech Smart Battery Kit is a package designed especially for healthcare environments for providing safe and efficient power and facilitating remote power monitoring and management. Advantech IPS series is a medical-grade mobile power system, providing safe, stable and cost-efficient power to diversified mobile devices. In combination with the smart kit, which can bypass client-side PC and transfer real-time battery data to IT console directly, IT staff can monitor and manage the status of the battery remotely.

### IPS Power System Specifications

Power Supply	Battery Type	Lithium-Iron Phosphate (LFP)
	Battery Capacity	420 Wh
	Battery Lifespan	DOD 80%, 2000 cycles
	Charge Time	< 3 hr. DOD 100%
	Input Voltage	100 ~ 240 V <sub>AC</sub> , 50 ~ 60 Hz, Max 4.5 A
	DC Output Voltage	System 1: 19 V <sub>DC</sub> , Max. 6 A System 2: 12 V <sub>DC</sub> , Max. 5 A
	Charging Status Indicators	LEDs with continuous readout; intelligent software
I/O Ports	DC Output Interface	DC jack (4-pin locking mini-din connector)
	Communication Interface	RS-232
Environment	Vibration	5 ~ 500 Hz 1 G
	Operating Temperature	30° C
	Cooling System	Fanless
	Water Resistance	IP67 DC output connector
Physical Characteristics	Dimensions	282 x 260 x 101 mm (11.1" x 10.2" x 3.9")
	Weight	8 kg
Certifications	CE, FCC Class B certified, CCC	

### Gateway Specifications

Wifi	IEEE 802.11 b/g/n with 2.4/5Ghz support
Bluetooth	Bluetooth 3.0/4.0/BT4.1 BLE dual mode, 10 BLE Connections
IO Port	Giga LAN RJ45 Connector x1 RS232 RJ45 Connector x1 USB-A 2.0 host x1
Power consumption	Max. 5Wh with 12V DC in
Ambient	Operation: 0 ~ 40° C, 10~95%RH Storage : -20 ~ 70° C
Dimension	109(L) x 101(W) x 28mm
Regulatory	FCC Class B, CE

### Remote Management Console

Battery Management	<ul style="list-style-type: none"> <li>▪ Display real-time battery status clearly</li> <li>▪ Check battery capacity quickly</li> <li>▪ Remind battery maintenance easily</li> </ul>
Alarm Management	<ul style="list-style-type: none"> <li>▪ Remind warning on top immediately</li> <li>▪ Monitor battery temperature 24/7</li> <li>▪ Keep checking battery remaining time</li> </ul>
Grouping Management	<ul style="list-style-type: none"> <li>▪ Set each battery with individual name</li> <li>▪ Categorize battery by various ways</li> <li>▪ Manage battery grouping easily</li> </ul>
Report Management	<ul style="list-style-type: none"> <li>▪ 1-Click to output entire report</li> <li>▪ Read report easily with popular format</li> <li>▪ List detailed information clearly</li> </ul>

### Ordering Information

Part Number	Power System	IOT Gateway	Wifi	LAN	Cable	Management Console
IPS-M420-LFA-SG-C	420W	1pc	Yes	Yes	3	Yes
IPS-GW-1234-AE	--	1pc	Yes	Yes	3	Yes