

iPS-M100

200Wh Medical Power Storage System with 2 x 100Wh Lithium-Ion Battery Modules



Features

- 19Vdc output to support mobile computing applications
- Hot Swappable with Maximum Power Capacity 200Wh
- Fanless Design for infection control
- External LED indicator for Battery inset & Power out checking
- Front side 2 USB 5V/1A ports for peripheral devices charging
- Client and Server base Battery Management System for IT monitoring

Specifications

Power System	Power Module Battery Type	Lithium-Ion
	Power Capacity	200Wh (single power module 100Wh x 2)
	Power Module Life-span	500 cycle capacity more than 70%
	Charge Time	0% ~ 80%, 2.5hr 2 power module
	DC Output Voltage	System Mode: 19 V±5% (Max.4.73 A)
I/O Ports	LEDs Indicators	Discharging LED: green Capacity LED: 30% < green ≤ 100% 10% < orange ≤ 30% 0% < red flashing ≤ 10%
	DC Output Interface	DC Jack (4-pin mini lock DIN)
	USB	5V 1A *2
Display & Controller	Communication Interface	RS-232 (RJ45 Type)
	Power Button	Battery power button with LED indicator
Environment	Vibration	5 ~ 500 Hz 1 G
	Cooling System	Fanless
	Water Resistance	IPX1, IP67 DC output connector
Physical Characteristics	Dimensions	Battery: 126 x 50.4 x 266.5 mm (L x W x H) System: 303 x 139 x 210 mm (L x W x H)
	Weight	7kg (with 2 Battery Modules)
	Certifications	60601-1 compliance; 60601-1-2
Warranty		12 months
Power Manager Software	AMIS_Link	Battery capacity indicator Alerts (battery capacity, temperature, warning) Charging cycle statistics Report & log file Client & Server (CMS) Installation Multi-language support, including Chinese Traditional, Chinese Simple, English, German and Dutch

Ordering Information

Part Number	Function	Discription
iPS-M100PS-LID-AE	Power System	PowerSystem DischargeBox+ModuleBox*2+ standard mounting bracket
iPS-M100CS-LID-AE	Charging Station	ChargingSystem ChargerBox+AdaptorBox(AB)
iPS-M100BM-LID-AE	Battery Module Box	Battery Module Box
iPS-M100AB-LID-AE	Adaptor Box	Adaptor + mounting bracket; 100 ~ 240 V _{ac} , 50-60 Hz, DC Output 19V/7.89A



iPS-M100PS-LID-AE



iPS-M100CS-LID-AE



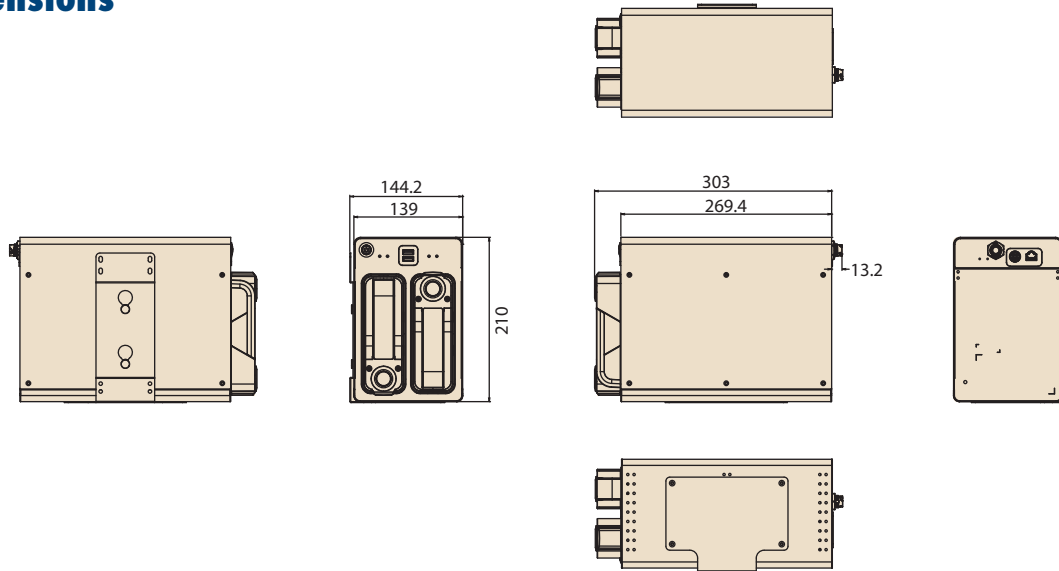
iPS-M100BM-LID-AE



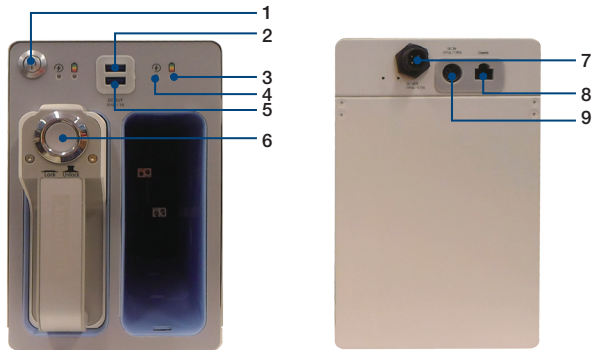
iPS-M100AB-LID-AE

Dimensions

Unit: mm



I/O Ports



1. Power Switch
2. USB 1A
3. LED: Battery In
4. LED: Battery Power out
5. USB 1A

6. Power Module Lock/Unlock Button
7. System: 19Vdc, 4.73A
8. COM (RJ45 type) connector
9. Charger in connector

Ordering Suggestion

(1) Power System + Adaptor Box

iPS-M100PS-LID-AE + iPS-M100AB-LID-AE



(2) Charging Station + Battery Modules

iPS-M100CS-LID-AEx1+iPS-M100BM-LID-AEx2



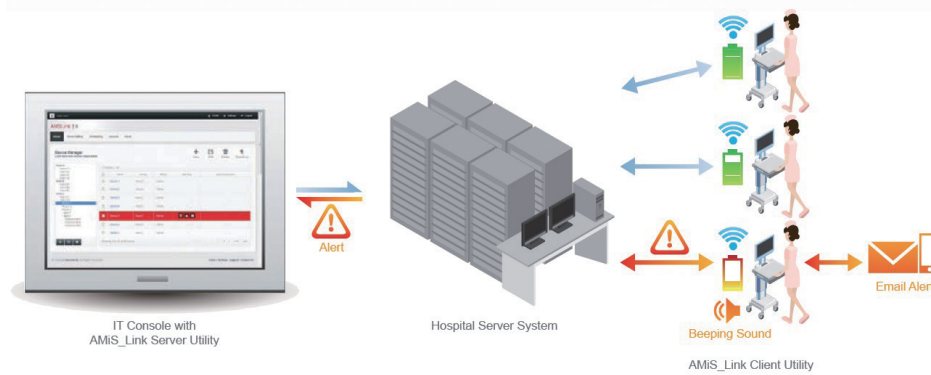
Accessories

Part Number	Power Cord Type (Spiral)
1700001524	Power Cable (USA) 1.8 M
170203183C-01	Power Cable (Europe) 1.8 M
170203180A-01	Power Cord (UK) 1.8 M

Package List (iPS-M100PS-LID-AE)

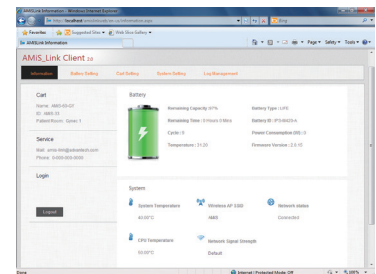
Part Number	Part Description	Quantity
1700027393-01	M Cable M-DIN 4P(F)/DC Jack 10cm	1
1700027293-01	M Cable M-DIN 4P(M)/Waterproof 4P 100CM	1
1700027084-01	M Cable RJ45-8P8C/D-SUB 9P(F) 100cm	1

AMiS_Link Software Solution for Remote Battery Management



Power Management Software

AMiS_Link	Capabilities	Battery capacity indicator Alerts (battery capacity, temperature, warning) Battery life cycle statistics Report & log file Client installation & server installation (Optional) Multi-language support, including Traditional Chinese, Simplified Chinese, English, German and Dutch
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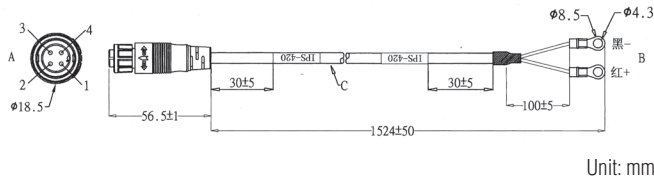


Converter Accessories

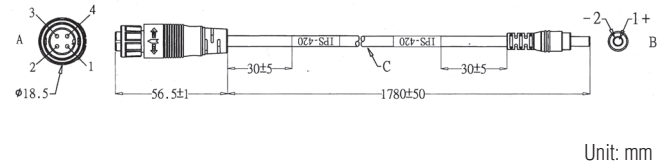


Part Number	iPS-GW-1234-AE	iPS-CONV-DD-A2E	iPS-CONV-DD-B2E
Description	Smart Kit	DC to DC Converter	DC to DC Converter
Remarks	- IOT gateway - DC to DC converter - COM port cable 4-pin to 4-pin cable 4-pin to DC Jack cable - AMiS_Link server management tool	- Connector type: 4-pin - Input: 12 ~ 19 V, 8 ~ 3 A - Output: - Mode 1: 12 V, 6 A - Mode 2: 15 V, 5 A - Mode 3: 16 V, 5 A - Mode 4: 19 V, 4 A	- Connector Type: 4-pin - Input: 12 ~ 24 V, 8 ~ 3 A - Output: - Mode 1: 12 V, 6 A - Mode 2: 16 V, 5 A - Mode 3: 20 V, 4 A - Mode 4: 24 V, 4 A

Cable Information



Unit: mm



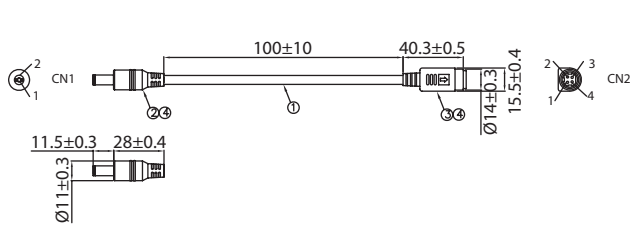
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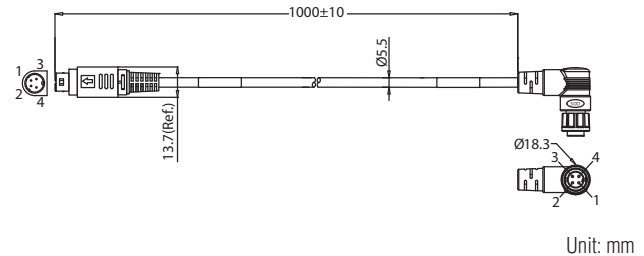
4-pin to Ring Terminal cable (152 cm)

1700019667

4-pin to DC Jack cable (178 cm)



Unit: mm



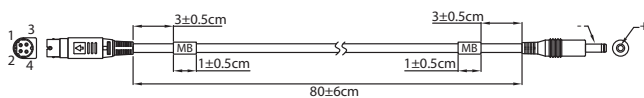
Unit: mm

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M Cable M-DIN 4P(F)/DC Jack (10 cm)

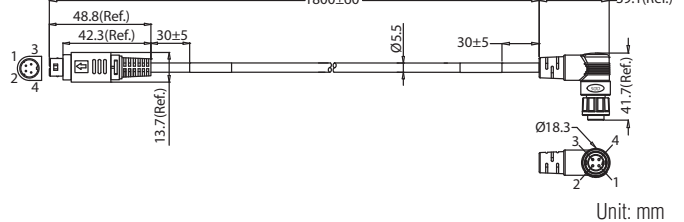
1700027293-01

4-pin to 4-pin DC Medical (100 cm)



1700018916

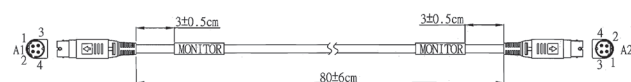
4-pin to DC Jack (80 cm)



Unit: mm

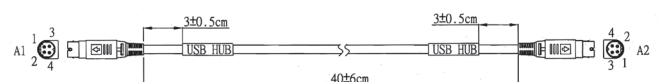
1700019486

4-pin to 4-pin DC Medical (180 cm)



1700025835-01

4-pin to 4-pin (80 cm)



1700018921

4-pin to 4-pin (40 cm)

Mouser Electronics

Authorized Distributor

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[Advantech:](#)

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