Mini B⟲t

Reboot Your Device Over IP

Current
16.0
T1 T2 Serial IP USB

MiniB⟲t

Fuse

Fuse

110V / 208V / 230V

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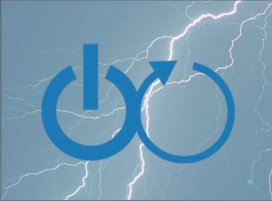
Remote Reboot to Recover Your Device

> When a complete restart is required MiniBoot provides a simple and easy way to reboot a hardware device.

> In addition to manual on/off, MiniBoot provides 3 kinds of auto outlet control,:
> - IP-Ping automatically detects a failed system for timely reboot
> - Outlet on/off by sensor condition
> - Outlet on/off scheduling

Diversified Outlets & Inlets

> Variety of outlets & inlets available for different regional power requirements

> Outlet : US NEMA, IEC C13, UK BS1363, German Schuko CEE 7/3 or French CEE 7/5

> Inlet : C20 for different regional power cords (Custom inlet available on request.)

Enterprise Level IP Authentication

> Active Directory (AD), Lightweight Directory Access Protocol (LDAPv3 / LDAPS).

> Remote Access Dial-In User Service (RADIUS) protocol, or local credential database.

> Strong passwords and granular user/user group permissions.

> Support high-speed network IP via 1000Base-T (Gigabit) Ethernet port

Save Manpower & Travel Costs

> Restart the problem device by remotely power on & off, MiniBoot allow user to recover the equipment via network IP.

> Reduce manpower and travel costs by negating the need for staff to actually be at the equipment location, improving uptime and productivity.

Power Monitoring via Network & Local Meter

> Allows remote monitoring via the free Graphic User Interface (GUI).

> Provides local current monitoring via MiniBoot blue LED ammeter.

> Allows user to establish the remaining capacity prior to adding a new device to the MiniBoot, plus displays the current being drawn and receives threshold alerts remotely.

Remote Management

> Simultaneous access via free management web GUI.

> SNMP V2 / V3 integration to DCIM.

> Remote management protocols: HTTP(S); SSH Command Line Interface; Telnet; SMTP; IPv6/IPv4.

Alerts / Alarms

> Receive alerts via SNMP, email (SMTP), and syslog when predefined thresholds are exceeded for both MiniBoot and environmental sensor events.

> Common SNMP MIBs (Management Information Base) for all MiniBoot models.

Sensors & WiFi

> Variety of optional sensors : Temperature & Humidity, Temperature, Smoke, Door.

> Option to connect via a WiFi kit (IPD-WIFI) complying with 802.11 g/n/ac.

Remote power reboot and monitoring functions are essential for hardware systems. MiniBoot offers a cost-efficient power solution for any environment with electronic devices or systems. Users can try to recover the crashed device by remote reboot, reducing the need to send engineers to site (less personnel and travel costs by negating the need for staff to be at the equipment location) therefore improving uptime and productivity.

Unlike a rack power strip which is mounted inside an IT server rack enclosure, MiniBoot can be applied in diversified applications. MiniBoot is designed for a variety of industries - **Transportation (Air, Land and Sea), Broadcasting, Entertainment, Advertising, Manufacturing, Mining, Satellite, Defense, Education, Telecommunication, Finance & Banking, Commercial, etc.**

Applications

- **Commercial Offices**
- **Telecommunication Offices**
- **Satellite Stations**
- **Digital Signage**
- **Video Walls**
- **Service Centers**

- **Airport Check-in Kiosks**
- **Shopping Mall Kiosks**
- **ATM Machines**
- **Ticketing System**
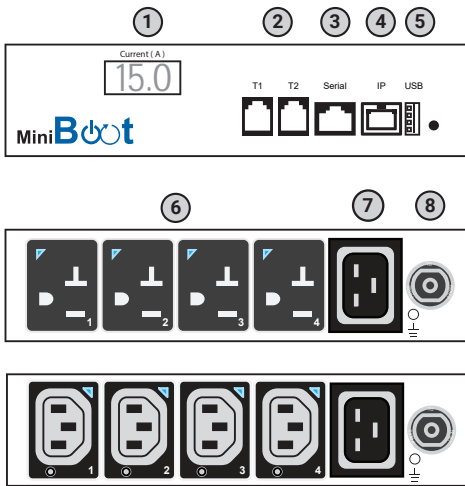- **Vending Machines**
- **Information Desks**

- **Factory Automation Systems**
- **Production Plants**
- **Assembly Line**
- **Quality & Control Line**

- **Universities**
- **Education Institutes**
- **Lecture Theatres**
- **Tutorial Classes**
- **Training Rooms**

1 RMS current meter   x 1

2 Sensor port   x 2

3 Serial port   x 1

4 1000Base-T (Gigabit) IP port   x 1

5 USB Wifi port   x 1

6 Switched outlets (US NEMA, C13, UK, Schuko or French)

7 C20 Inlet   x 1

8 Resettable fuse   x 1

MiniBoot - Single Feed / Single LAN			Amp		
Outlet	Inlet	Model	110V	208V	230V
NEMA x 2	C20 x 1	MiniBoot-2US	15A		
NEMA x 4		MiniBoot-4US			
NEMA x 8		MiniBoot-8US			
C13 x 2	C20 x 1	MiniBoot-2C13		16A	10A / 13A / 16A
C13 x 4		MiniBoot-4C13			
C13 x 8		MiniBoot-8C13			
UK x 4	C20 x 1	MiniBoot-4UK			10A / 13A / 16A
Schuko x 4	C20 x 1	MiniBoot-4SCH			10A / 16A
French x 4	C20 x 1	MiniBoot-4FR			10A / 16A

* Custom configuration available on request
** Input cordset excluded

Hardware Specifications

| Electrical	
Nominal input voltage	110V / 208V / 230V
Acceptable input voltage	±10% nominal
Input frequency	50 / 60Hz
Inlet	C20
Outlet	US NEMA, C13, UK BS1363, Schuko or French
Local meter	3-digit RMS current meter
Overload protection	Resettable fuse
Electrical endurance	1 x 10^5 operations

Chassis	
Color	White
Material	Steel

Environmental	
Operating temperature	-5 to 60°C degree (23 to 140°F)
Storage temperature	-25 to 65°C degree (13 to 149°F)
Operating humidity	0~95%, non-condensing
Storage humidity	0~95%, non-condensing

Physical (NEMA or C13)	2 x outlet	4 x outlet	8 x outlet
Product (W x D x H)	180 x 140 x 44.45 mm		325 x 140 x 44.45 mm
Packing (W x D x H)	300 x 196 x 81 mm		525 x 230 x 80 mm
Net weight	0.9 kg / 2.0 lb		1.6 kg / 3.5 lb
Gross weight	1.2 kg / 2.7 lb		2.54 kg / 5.6 lb

Physical (UK, SCH or FR)	4 x outlet
Product (W x D x H)	220 x 150 x 55 mm
Packing (W x D x H)	300 x 196 x 81 mm
Net weight	1.23 kg / 2.7 lb
Gross weight	1.53 kg / 3.4 lb

Compliance	
EMC	FCC, CE/EMC certified
Safety	UL 62368-1:2014, CE/LVD certified
Environment	RoHS3, Reach & WEEE
ISO	9001 / 14001
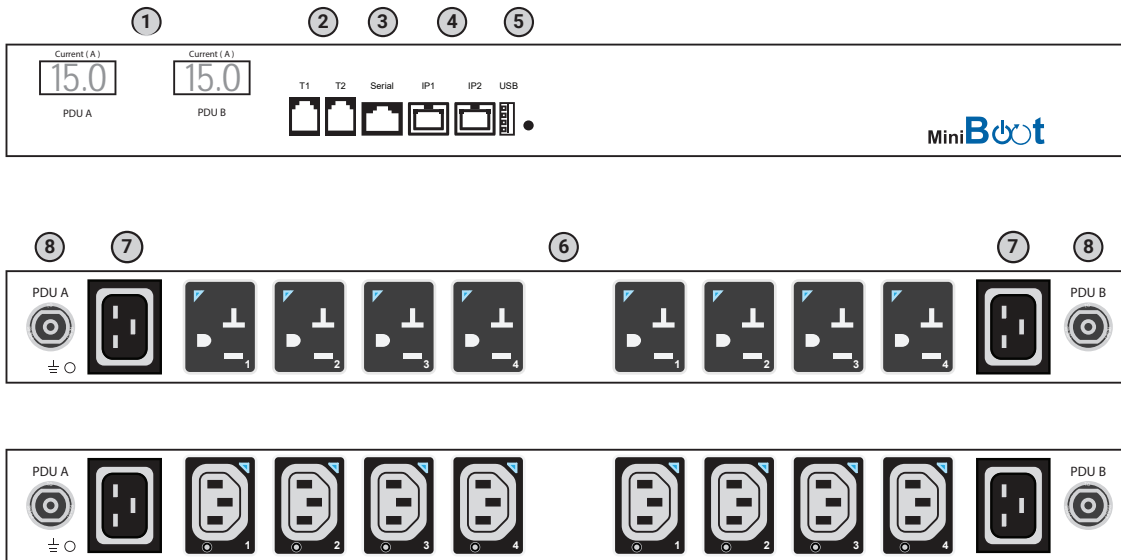
1	RMS current meter x 2
2	Sensor port x 2
3	Serial port x 1
4	1000Base-T (Gigabit) IP port x 2
5	USB Wifi port x 1
6	Switched outlets (US NEMA, C13)
7	C20 Inlet x 2
8	Resettable fuse x 2

MiniBoot - Dual Feed / Dual LAN			Amp		
Outlet	Inlet	Model	110V	208V	230V
NEMA x 8	C20 x 2	MiniBoot-D8US	15A		
C13 x 8	C20 x 2	MiniBoot-D8C13		16A	10A / 13A / 16A

* Custom configuration available on request
** Input cordsets excluded

Dual Feed

Dual LAN

Hardware Specifications

Electrical	
Nominal input voltage	110V / 208V / 230V
Acceptable input voltage	±10% nominal
Input frequency	50 / 60Hz
Inlet	C20 x 2
Outlet	US NEMA, C13
Local meter	3-digit RMS current meter x 2
Overload protection	Resettable fuse x 2
Electrical endurance	1×10^5 operations

Physical (NEMA or C13)	8 x outlet
Product (W x D x H)	437.5 x 140 x 44.45 mm
Packing (W x D x H)	525 x 230 x 80 mm
Net weight	1.8 kg / 4.0 lb
Gross weight	2.8 kg / 6.2 lb

Chassis	
Color	White
Material	Steel

Environmental	
Operating temperature	-5 to 60°C degree (23 to 140°F)
Storage temperature	-25 to 65°C degree (13 to 149°F)
Operating humidity	0~95%, non-condensing
Storage humidity	0~95%, non-condensing

Compliance	
EMC	FCC, CE/EMC certified
Safety	UL 62368-1:2014, CE/LVD certified
Environment	RoHS3, Reach & WEEE
ISO	9001 / 14001

Remote Reboot & Amp Monitoring Over IP

Remote management helps reducing manpower and hence improving uptime and productivity.
It also benefits users with capacity planning and increasing the overall efficiency of the power management.
MiniBoot offers two remote power management solutions for users' selection.

MiniBoot GUI
Built-in

3rd Party DCIM
via SNMP V2 / V3

Built-in MiniBoot GUI

User-friendly GUI is included with MiniBoot. The Administrator can remotely manage the MiniBoot via the web browser.

It provides individual outlet switching On/Off, current monitoring and alarm alert functions. With enterprise level IP authentication, the administrator can manage the MiniBoot remotely with high security.
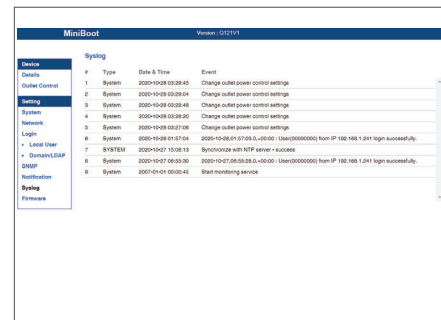
Circuit Monitoring & Outlet Switching
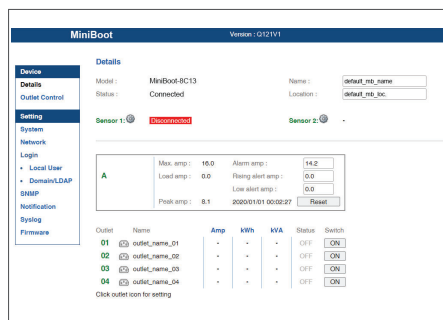
Outlet Control
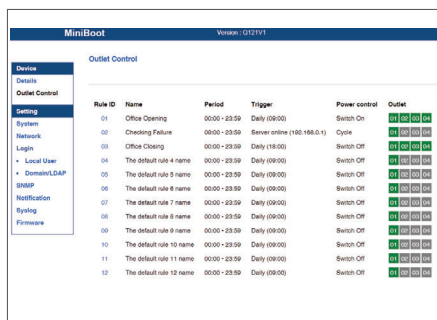
System Audit Trail

3rd Party DCIM via SNMP V2 / V3

MiniBoot supports SNMP V2 / V3 integration for clients requiring remote management of the MiniBoot using their existing DCIM (Data Center Infrastructure Management) in order to centralize the management for monitoring power, cooling and environmental factors across facilities and IT systems.

MiniBoot Software

FREE MiniBoot Web Power Reboot GUI	
Functions	• Manual outlet on / off by GUI / SNMP • Automatic outlet on / off by scheduling , IP Ping and sensor condition • Aggregate current (Amp) monitoring • Alarm alert
Enterprise Level IP Authentication	• Active Directory (AD), Lightweight Directory Access Protocol (LDAPv3 / LDAPS) • Remote Access Dial-In User Service (RADIUS) protocol, or local credential database
Remote Management	• Protocols: HTTP(S); SSH Command Line Interface; Telnet; SMTP; IPv6/IPv4
Alarms / Alerts	• Receive alerts via SNMP, email (SMTP), and syslog when predefi ned thresholds are exceeded for both MiniBoot and environmental sensor events • Common SNMP MIBs (Management Information Base) for all MiniBoot models
SNMP	• SNMPv1/v2 & SNMPv3 for integration to DCIM

Free Mounting Kit

Universal Open Frame Kit

- Included with all MiniBoot models
- Enables easy installation into existing kiosks, walls, work panels and furniture

Rack Mount Kit

- Included with 8-port MiniBoot models
- 19" horizontal rack mount version

Sensors & Peripherals

WiFi Kit

- 802.11 g/n/ac WiFi
- Low-profile design wireless athena
- Magnetic base design for tool-less installation
- 1M cord with USB port

IPD-WIFI

Temperature & Humidity Sensor
Temperature Sensor

- Plug & play
- External sensor with 2M or 4M cord
- Low profile design with magnetic base for easily affix to the rack

IG-TH01-2M/4M

IG-T01-2M/4M

Smoke Sensor

- Smoke Sensor with 1M or 3M cord
- When smoke alarm triggers the red LED light is visible on the sensor with continuous audio alert

IP-S01-1M / 3M

Door Sensor

- Mechanical door sensor with 2M or 4M cord
- Cost efficient integration into rack

IP-DSW-2M/4M

Lockable IEC

Lockable C13 Outlet

- Lockable C13 outlet MiniBoot models are available to secure plugs and prevent accidental disconnection
- Supports standard or switched outlets
- Compatible with lockable C13 power cords for outlet locking features

Lockable Color C14-C13 Cord

- Connect to lockable C13 outlets to secure plugs and prevent accidental disconnection
- Selection:
  Black / Grey / Red / Blue / Orange / Green
  C14 - C13: 0.5M / 1M / 2M
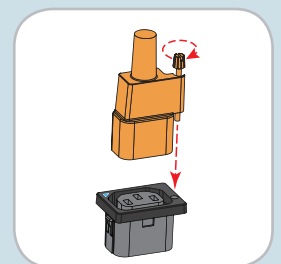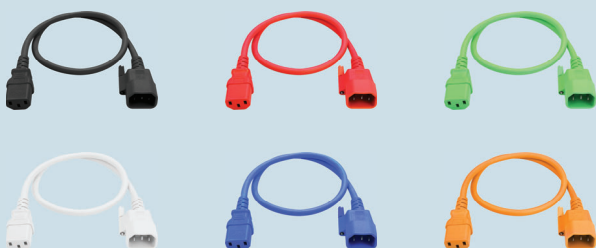
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