



PRODUCT OVERVIEW



**EXTEND YOUR
NETWORKING RESOURCES
WITH GRANITE MANAGED SERVICES**

Safety: UL 62368
RoHS-6 and REACH compliant



INTRODUCTION

Powerful Control Made Simple

PDU

Discover the new standard in power management with Granite's edgebootPro! This cutting-edge network-based appliance is designed to revolutionize how you manage your AC-enabled devices. *An upgrade to the original edgeboot, the edgebootPro offers four individual AC power ports and LTE failover, giving you the power to manage multiple devices simultaneously within our advanced web interface.* Whether it's routers, switches, security systems or equipment in unmanned locations, edgebootPro makes it easier than ever to maintain your network's health and performance.

FEATURES & FUNCTIONS

- ▶ **Powerful Device Control**
Made simple through our intuitive web portal
- ▶ **Proactive Alerting and Ticketing**
- ▶ **Encrypted OS**
For increased data security
- ▶ **Enhanced Device Monitoring**
Detects LAN loss, cycles power, send alerts and more
- ▶ **Easily Scalable**
To support up to 12 devices with two expansion modules
- ▶ **Sophisticated Microprocessor**
Executes critical functions using dual ARM Cortex-A55 with speeds up to 1.7 GHz
- ▶ **LTE Failover**
To maintain business continuity
- ▶ **Advanced Memory Management**
- ▶ **Intelligent Security**
Leveraging secure boot
- ▶ **Remote Out-of-Band Access**
Over LTE in locations without ethernet WAN availability
- ▶ **Sleek and Compact**
Ideal for small spaces (4.92"x 7.08" x 1.9")
- ▶ **Remote Power Cycle**
To reduce the need for dispatching a costly technician to sites during downtime or after software updates



Search

Granite Telecommunications



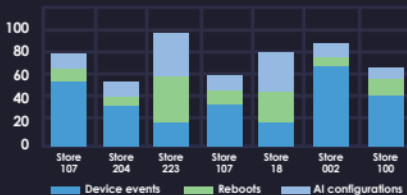
Manual Reboot

Maintenance

My Devices

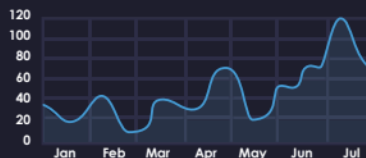
Profiles

Top Device Activity

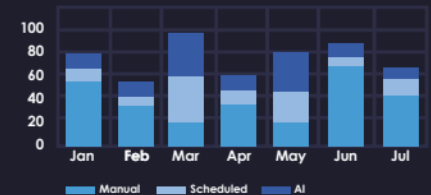


Total Reboots

125

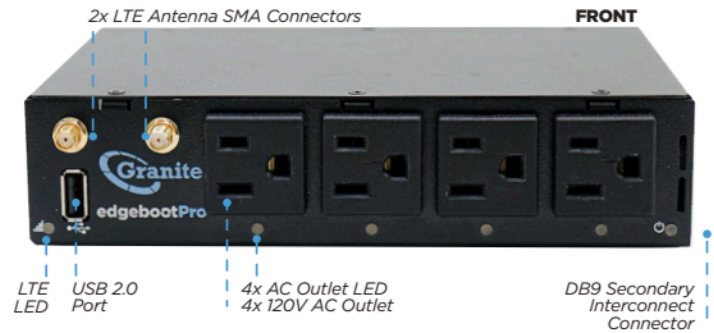


Cause of Reboot



TECHNICAL DETAILS

AC Power Input / Output	120V
Storage Temperature	40°C–65°C or -40°F–149°F
Operating Temperature	0°C – 40°C or 32°F - 104°F
MPU	Dual ARM Cortex-A55
100/1G Ethernet Port	2x RJ-45
LTE	Telit 4G LE910C4-WWX LTE
RTC	Embedded in Microprocessor Unit
Software	Bootloader and OS provided
Console	1x RJ-45, RS232
Certificates	FCC Class B, PTCRUL, ITE, PTCRB
Safety	EMC – Class A – US/Canada
RAM	On-chip 640KB
RoHS	RoHS-6 (Pb-free) and REACH compliant
LEDs	1 x PWR LED, 4 x AC Outlet LED
Unit Power Consumption	120 VAC/60Hz.
Unit Dimensions	4.92" x 7.09" x 1.62" (LxWxH)
Mounting	Desktop, Rackmount or Din Rail
Accessories	LTE Antenna, AC 15A power inlet cable, Rubber feet
GPIO Expander	Controls relay and watchdog timer
Current Sensors	Allegro ACS725LLCTR-20AB-T 20A FS current
ADC	Converts analog current sensors output into digital 12C signal
Relay	250VAC/ 16A
Connector Type	DB9
eMMC	8GB
Wireless Carriers	Verizon, AT&T, T-Mobile, Telus



Through its GPIO port, edgebootPro offers the ability to control/monitor loads such as External Alarms, External Relay, or Sensors with Analog Output.

RJ45 1000/100 Mbps Ethernet Port x2



CONNECTIVITY

edgebootPro is a mobile internet gateway like traditional OptConnect or Cradlepoint routers. Utilizing patented features from the edgeboot family, EdgebootPro provides internet access for all your connected devices. Employ AC power control, serial device console, and automatic problem detection and resolution.

LTE Radio Module

A notable improvement in performance over the original edgeboot, the device is equipped with a Telit 4G LE910C4-WWX LTE Cat-4 radio module.

2 External SMA Connectors

The front of each unit includes two subminiature version-A connectors or de facto antenna ports. These antennas are provided for data uplink.

Micro-SIM Card Slot

The edgebootPro hides an externally-accessible uSIM card slot on its side and is cellular-certified:

- PTCRB
- Verizon
- AT&T
- T-Mobile
- Telus

HARDWARE

Serial Console Port

The 8P8C (RJ45/48) serial console port allows you to connect via RS-232 to on-site equipment. A standard rollover console cable can be used to provide remote console connectivity to operators. The data bits, stop bits, parity bits and flow control are configurable. The baud rate is configurable and supports all common rates (including 9600 and 115200).

GPIO Port

The GPIO port provides a direct interface option alongside an RS-485 port with an optional terminal block connector. The RS-485 port is full-duplex (4-wire) and supports up to 20 Mbps data rates. Connections are made through the external RS-485/GPIO connector.

USB-A Port

The USA-A port can be used to connect to on-site equipment, through USB 2.0 standard. The USB-A port supports connecting multiple devices via a hub, allowing you to connect to many devices from a single edgeboot-Pro. Most modern network devices support serial console connectivity via USB.

