



# Bobcat Miner 300



Helium LongFi Compatible

## Introduction

Bobcat Miner 300 is a high-efficiency miner hotspot for HNT. It is compatible with Helium LongFi, an architecture that combines the leading wireless LoRaWAN protocol, and the Helium Blockchain technology. The Bobcat Miner 300 is also compatible with all LoRaWAN devices.

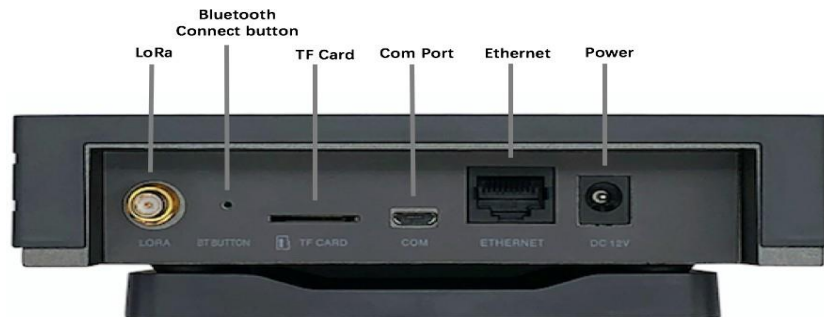
The Bobcat Miner 300 runs on ultra-low power consumption (5W) and its signal range can cover up to 10+ miles, providing connectivity to tens of thousands of LoRaWAN end nodes detected within its range.

In previous tests, 100 deployed Bobcat Miner 300 have proven sufficient to cover a city area of 10km x 10km, broadcasting the helium network. In return for being a network operator, owners of Bobcat Miner 300 earn HNT for providing this network coverage.

## Product Comparison

Model	Bobcat Miner 300	Others
Antenna	4dbi enhanced antenna provides wider network coverage	2dbi
Flash	64GB eMMC Flash ensures longer product lifecycle and data security	32GB SD Card
Processor	Quad-core performance mode and low power mode autoswitch	standard quad-core

## Connectors



## Dimensions



## Hardware Specifications

Model	Bobcat Miner 300
LoRa Specifications	
LoRa Frequency Band	923MHZ/915MHZ/868MHZ/470MHZ
LoRa Channel Plan	AS923/AU915/EU868/CN470
Channel Capacity	8-channels uplink, 1-channel downlink
LoRa Output Power	25dBm Maximum output power before antenna
Platform Configurations	
Processor	Quad-core Cortex-A35 CPU
RAM	1G DDR3
Flash	64GB eMMC 5.1 Flash
Wi-Fi	IEEE 802.11 b/g/n Wireless LAN
BlueTooth	5.1
Input Voltage	DC12V
Connectors	
Antennas	LoRa: reverse polarity male SMA
Ethernet	RJ45 Ethernet jack (10/100 port)
Power	2.5mm, 12 Volt power jack
Physical Description	
Dimensions (L x W x H)	141 x 141 x 47 mm
Chassis Type	PC-ABS
IP Grade	IP30
Color	Dark Gray
Environmental	
Operating Temperature	0° to +60°C
Storage Temperature	-40° to +85° C
Relative Humidity	20% to 90%, non-condensing
Heat Dissipation	Radiator Grille

## Package Content

