



Agroplanning

LinkerBox VT

Technical specifications. v.1.0



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Specifications

System

CPU	Qualcomm Cortex-A7 32-bit Quad-core Processor, 1.1GHz
OS	Android 7.1
Memory	2GB
Storage	16GB
Bluetooth	BT 4.2 (BR/EDR+BLE)
	2402MHz~2480MHz
	Integrated Bluetooth 4.2 LE + EDR class 2, with HID, A2DP, AVRCP, BIP, BPP, FTP, HFP, HSP, OPP, SPP supported
WLAN	802.11a/b/g/n
	2.4GHZ&5GHZ
	Support Wake-on-WLAN (WoWLAN)
	Support ad hoc mode
	Support WAPI SMS4 hardware encryption
	Support AP mode
	Support Wi-Fi Direct
	Support MCS 0-7 for HT20 and HT40
	LTE FDD: B1/B3/B5/B7/B8/B28 LTE TDD: B40 WCDMA: B1/B2/B5/B8 GSM: 850/900/1800/1900MHz
GNSS	GPS/GLONASS
Sensors	3-axis ±16g

I/O Interface

Serial Port	1 x RS232
USB Port	1 x USB mini
GPIO	GPIO× 1 Input, GPIO×1 Output (See "1. 3 Extended Cable Definition" for details.)

Power Supply

Power Consumption	Maximum power consumption is less than 6.5W
Adapter Input	Power input 12V/2A

Mechanical & Environmental

Operating Temp.	-20° C ~ 70°C (-4°F-158°F)
Storage Temp.	-30° C ~80° C (-22°F-176°F)
Operating Humidity	10~85%
Dimensions (W x H x D)	133X118.6X35(mm)
Weight	300g

Implemented functionalities

General

Data send	Normal: 50 seconds When Cell coverage available
Back up	Normal: 80 hours Depends on configured parameters and sampling rates
Updates	USB Over the air
Main settings configuration	USB Over the air

Status information link

This information is collected and sent when the vehicle engine is switched on.

GNSS and system parameters package	Speed Heading Latitude Longitude Altitude GPS fix Inputs Device battery voltage Power in voltage Vibration level GSM coverage level Accumulated time Accumulated distance System diagnostics information
Bluetooth tags parameters package	Tag id Estimated distance to the tag
External (CANBUS, RS232) parameters package	Parameters Id's Parameters values
Sampling rate	Configurable Normal: 10 seconds Maximum: 2 seconds
Sampling rate switch	Configurable double sampling rate

Heartbeat

This information is collected and sent if the modem is powered (stand-by).

Status parameters package	Speed Heading Latitude Longitude Altitude GPS fix Inputs Device battery voltage Power in voltage Vibration level GSM coverage level Accumulated time Accumulated distance System diagnostic information
Sampling rate	Configurable Normal: 2 hours

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