
RTLS AP GEO-DA300

Geoplan Co.,Ltd.

CONTENTS

1	Overview.....	3
2	SPECIFICATIONS.....	4
2.1	GEO-DA300 Specification.....	4
2.2	GEO-DA300 Dimension	5
2.3	GEO-DA300 External description.....	6

1 Overview

1.1 RTLS TAG GEO-DA300

- GEO-DA300 is RTLS platform.
- Provides a flexible and scalable solution by applying wired / wireless communication technologies such as Ethernet and Bluetooth, UWB to support the communication environment of a variety of RTLS.
- Providing indoor type platform consider flexibility, extensibility, diversity of the installation environment.
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Figure 1. RTLS Tag GEO-DA300

2 SPECIFICATIONS

2.1 GEO-DA300 Specification

Feature	Specification
System Specification	
MCU	<ul style="list-style-type: none"> AM3358 (ARM Cortex-A8)
Operating System	Embedded Linux
Memory	
Flash Memory	256MB NAND
RAM	256MB DDR3
Interface Support	
Ethernet	<ul style="list-style-type: none"> 10/100BASE-T RJ45 - 2 ea
RS232	<ul style="list-style-type: none"> RJ11 – 2 ea
INPUT/OUTPUT	<ul style="list-style-type: none"> Terminal – 2 ea
DC IN	<ul style="list-style-type: none"> DC-JACK
Bluetooth	<ul style="list-style-type: none"> BLE, 2.402 ~ 2.480 GHz, BMD300
UWB	<ul style="list-style-type: none"> UWB, 6 489.6GHz, GEO-MD200
LED (4)	<ul style="list-style-type: none"> ACT (RGB flicking / AP Activity)
Physical Characteristics	
Power specifications	DC Power Adapter 12.0 VDC / 2A PoE (IEEE 802.3af fully supports) 48 VDC / 12.95 Watts Max
Physical Dimensions (W x H x D)	<ul style="list-style-type: none"> 154 x 214 x 45 mm

2.2 GEO-DA300 Dimension



Figure 2. Dimension for GEO-DA300(100 x 76 x 44.5 mm)

2.3 GEO-DA300 External description

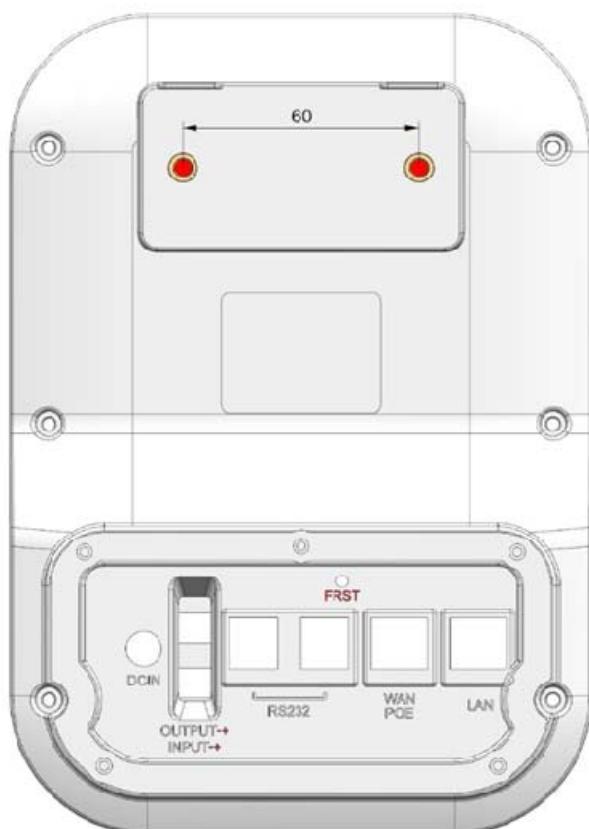


Figure 3. GEO-DA300 external descriptions

Number	Feature	Descriptions
1	DCIN	DCJACK, DC 12V / 2A
2	OUTPUT/INPUT	Terminal, in/out port
3	RS232	RJ11 6P4C, 2EA
4	WAN/POE	Ethernet 10/100Base-Tx with PoE
5	LAN	Ethernet 10/100Base-Tx
6	FRST	Factory Reset Button

3. FCC

3.1 FCC Statements

Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and*
- 2. This device must accept any interference received, including interference that may cause undesired operation.*

Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure

To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operated in conjunction with any other antenna or transmitter. This equipment complies with FCC

Indoor use only

This equipment may only be operated indoors. Operation outdoors is in violation of 47 U.S.C. 301 and could subject the operator to serious legal penalties.