AccuASN Router-Range extender
Technical information

1. ACCUASN Router (Hub) Communication Device

The ASN Hubs &Routers are the core blocks of the ASN network, Each router (Hub) handles up to 600 registered sensors, transfer the CU to the sensors and vice versa. Each router (hub) can handle more than 600 sensors and it depend on installation environment.

General Feature & Spec

Contents	Feature & Spec
Picture	
Radio Frequency (Two RF)	433.050Mhz~434.790Mhz for Hub, 433.050Mhz~434.790Mhz,922.36Mhz~924.8Mhz for router
TX Power	Below 10mW, 10mW~20mW(optional)
RX sensitivity	-118dbm
Data speed	30kbps
Operating power	5 Volts DC
Power consumption	TX:24mA, RX:40mA
RF coverage (router to Router)	200m,at open field
Communication methodology	Star mesh, Two directions by 30 routers
Capacity	Manages up to 600 nodes
Mounting	Wall mounted
Operating temperature	-20℃~70℃
Storage temperature	-20℃~80℃
Power supply	Standard power network, 5VDC, 1A of power adaptor

1.1 Range

The communication range of the ASN router (Hub) & router (Hub) is up to 200m in open area.

1.2 Power Consumption

ASN routers (Hubs) require 5V DC power.

1.3 Data Transmission

A monitoring router(Hub) will collect the data from 600 tags and transfer it to the CU, in 10 minutes.

1.4 Range

The   ASN CU communication range is up to 200m in open area. This range is affected by obstacles such as walls, buildings, hill etc.

1.5 Power Consumption

The ASN CU requires 5V DC power. The power source can be either the power network or batteries in the vehicle. The power consumption of the CU depends on the exact CU type.

1.6 Data Transmission

An ASN CU will collect the data from 18,000 nodes and transfer it to the Host, in 10 minutes.

129

104

139

137

28

5