# NAO BlueListener G1 datasheet

Model G1 / Bluetooth 5.0 - Wi-Fi Gateway S/N: PST-S-HG-001

#### Key features

- Bluetooth 5.0 scanning. Also works with Bluetooth Smart 4.0 devices.
- Connectivity options:
  - LAN: IP connectivity over 10/100 Ethernet
    - Or WLAN: 802.11 b/g/n, 2.4 GHz Wi-Fi.
- Power supply options:
  - $\circ$  5.0V DC 1A (micro-USB). Wall plug USB power supply available in option.
  - Power Over Ethernet (PoE 802.3af).
- RGB LED Strip as a status indicator. Can be disabled.
- Management with the NAO<sup>®</sup> Cloud platform.
- Remote firmware upgrade.

#### Overview

The NAO® BlueListener G1 device takes part of Pole Star NAO Track product suite.

The NAO <sup>®</sup> BlueListener G1 collects data from BLE tags in the vicinity, performs measurements on received signals and sends reports to Pole Star NAO Cloud server over Wi-Fi or Ethernet connectivity.

#### Applications

Used as part othe the NAO Track<sup>™</sup> solution for real time location of tags, presence detection and geofencing.

#### Mounting

Sign

**ON/OFF** 

Reset

RJ45

The NAO <sup>®</sup> BlueListener G1 device can be securely wall-mounted or ceil-mounted using two screws as provided (PH type – L=20mm) and adapted expanding plugs (L=25mm, d=5 mm). Also provided, a paper template drives you in the drilling, using a 5 mm bit. Holes spacing I=86 mm.

As an alternative, double sided adhesive tape (not provided) can be easily stuck on the large flat back-plate.

Multi-Purpose 24-segment RGB LED ring indicator.

Multi-purpose soft button. Reserved for future use.

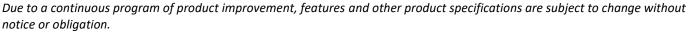
Toggle Switch. Power On / Off device.

10 / 100 Mbps Ethernet. 802.3af PoE.

### External controls and interfaces

**Port / Slot / Description** 

USB	2x External USB 2.0 slot. Reserved for future use.
IN	USB power input, Micro-USB connector (5.0V DC, 1A).
TF	Transflash card slot. Reserved for future use.









## Technical specifications

Dimensions and weight	Height	150 mm
	Width	150 mm
	Depth	36 mm
	Weight	180 grams
Casing	Material	ABS
	Color	White (Glossy finish)
		USB cable (length: 1m, provided)
	Accessories	Screws and wall-plugs (provided)
		5V DC, 10W USB wall-plug adapter (optional
Power supply	Voltage	5.0 Volts DC (max: 5.5 Volts)
	Format	Micro-USB (female slot)
	Current	330 mA (Micro-USB), 340 mA (PoE)
System	Core	MediaTek MT7688 MIPS24KEc -580 MHz 32-bit CPU
	Operating System	OpenWrt Linux distribution
	Flash	16 MBytes
	RAM	128 MBytes 16-bit DDR2
Bluetooth		Nordic Semiconductor nRF52832
Bluetooth	Chipset	ARM Cortex-M4 64 MHz 32-bit processor
	Туре	Bluetooth Low Energy 5.0 compliant
	Rx sensitivity	-96 dBm
	Tx power	-20 to +4 dBm (4 dB steps)
	Supported data rates	1 Mbps, 2 Mbps
Wi-Fi	Wireless	802.11 b/g/n (single stream)
	Frequency band	2.400 GHz – 2.484 GHz
	Supported modes	Router, client modes
	Security	WPA(2) – PSK, WPA Enterprise
External controls and interfaces	Buttons	ON/OFF switch, reset button
	Status light	RGB LED strip
	Slots	1xRJ-45, 1xMicro-USB, 2xUSB 2.0, 1xTF Card
Environmental requirements	Operating temperature	-25°C / + 65°C
,	Storage temperature	-40°C / + 85°C
	Humidity	0 to 95 %, Non-condensing relative humidity
	Protection	N/A – For indoor use only
Certifications		EN301489-1 V2.2.0 (2017-03)
		EN301489-17 V3.2.0 (2017-03)
	EU Certifications	EN300328 V2.1.1 (2017-11)
		EN62311:2008
	US Certifications	EN60950-1:2006+A2:2013 FCC Part 15, Subpart C (FCC ID: 2ABU6-G1)
	RoHS	2017/2102/CE (2017-11)

Product Name : BLE WiF Product Model : G1

Due to a continuous program of product improvement, features and other product specifications are subject to change without notice or obligation.