ST Engineering AETHON IO NUC Assembly User Manual

Contents

ST Engineering

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Product Description

The IO NUC Assembly is the next iteration of our SOM platform. This assembly has been specially designed to function across our family of robots.

Specifications

- **Dimensions:** 18.895”L x 14.237”W x 2.493”H (47.99 cm L x 36.162 cm W x 6.332 cm H)
- **Operating Weight:** 10.0 lbs(5.536 kg)
- **Communications:** Wi-Fi
- **Environmental:** Interior use

Label Requirement

For OEM integration only – device cannot be sold to general public. The FCC / ISED certification label of a module shall be clearly visible at all times when installed in the host product; otherwise, the host product must be labeled to display the FCC / ISED certification number for the module, preceded by the word “contains” or similar wording expressing the same meaning, as follows:

- Contains FCC ID: 2AA6CSOMRPL20
- Contains IC: 11082A-SOMRPL20
- Contains FCC ID: PD98265NGU
- Contains IC: 1000M-8265NG

Approvals and Standards Compliance

- FCC, Part 15, IC, CE
- EN 12100:2010, EN 60204-1:2006+A1:2009, IEC 60034-1:2004-04
- EN 61000-6-4:2007; EN 61000-6-2:2005; EN 60601-1-2:2007, EN 55022

- EN 301 489-1, EN 301 489-17
- FCC CFR 47, Part 15; ICES-001; Australian RCM Compliance
- ETSI EN 300 220+1 V2.4.1 & ETSI EN 300 220-2 V2.4.1
- EN 300 328 1.7.1, EN 301 893 1.6.1

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.

FCC

Warning: Changes or modifications to the robot, charging dock, or any related equipment not expressly approved by Aethon could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.
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.

RSS GEN
This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

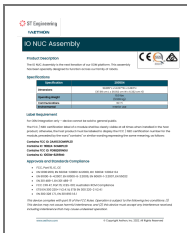
1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This radio transmitter IC: 11082A-SOMRPL20 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

- 418/433Mhz
  - Linx: ANT-418-CW-RH-SMA: Maximum gain -6.7dBi
  - Tagoglas: TI.10.0111: Maximum gain 0dbi
- 2.4/5GHz
  - World Products: WPANT30220-S1A: (2.4GHz +2.8 dBi) (5GHz +0.2 dBi)

www.aethon.com

Documents / Resources

	**ST Engineering AETHON IO NUC Assembly** [pdf] User Manual SOMRPL20, 2AA6CSOMRPL20, AETHON IO NUC Assembly, AETHON, AETHON NUC Assembly, IO NUC Assembly, NUC Assembly

References

- **Aethon - Autonomous Mobile Robots - Healthcare and Hospitality**