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| Project | **Specification of Sensor Interface for Cyber and Physical World**  <<https://sagroups.ieee.org/2888.1/> **>** |
| Title | **Application programming interfaces of compass sensor** |
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| Re: |  |
| Abstract | This contribution illustrates the application programming interfaces of compass sensor. |
| Purpose | To start discussion on purpose of the standard |
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# Introduction

This contribution illustrates the application programming interfaces of the compass sensor.

## Compass sensor

Table 1 – Compass sensor API

|  |  |
| --- | --- |
| Nested Classes | |
| Modifier and Type | Method and Description |
|  |  |
| Constructor | |
| Constructor and Description | |
| Compass() | |
| *Default constructor.* | |
|  | |
| Compass(String id) | |
|  | |
| Compass(String id, String serverIPAddress, integer serverPort) | |
|  | |
| Fields | |
| Modifier and Type | Field and Description |
|  |  |
| Methods | |
| Modifier and Type | Method and Description |
| JSONObject | getCompassSensorData() |
|  | *This function returns sensor data from a compass sensor in JSON format.* |
|  |  |

# Conclusions

We recommend accepting the proposed application programming interfaces of the compass sensor.