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BACHELOR THESIS

Integrating Tuya Devices with the ThingsBoard IoT Platform

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1 Introduction

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1.1 Scope

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1.2

1.3 Thesis structure

2 Background

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2.1 Internet of Things (IoT) Ecosystem

2.2 Tuya Smart

3 Benefits

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4 Methodology

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4.1 Custom firmware

4.2 Bluetooth Low Energy (BLE)

4.3 Wi-Fi

4.3.1 MQTT

4.4 ThingsBoard API

5 Conclusions

6 References

- [1] Leslie Lamport. *TeX: a Document Preparation System*. 2nd ed. Massachusetts: Addison Wesley, 1994.

7 Appendices