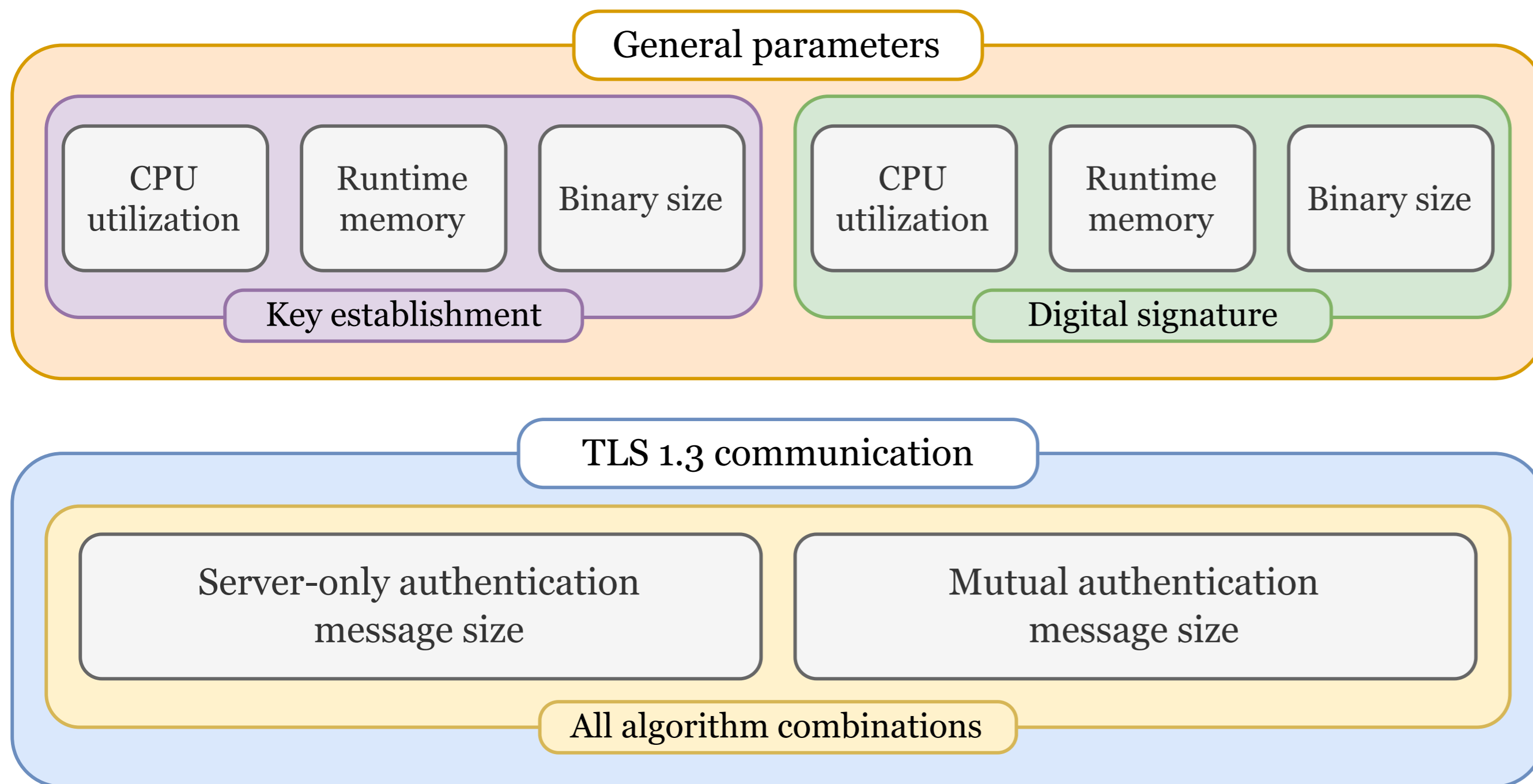


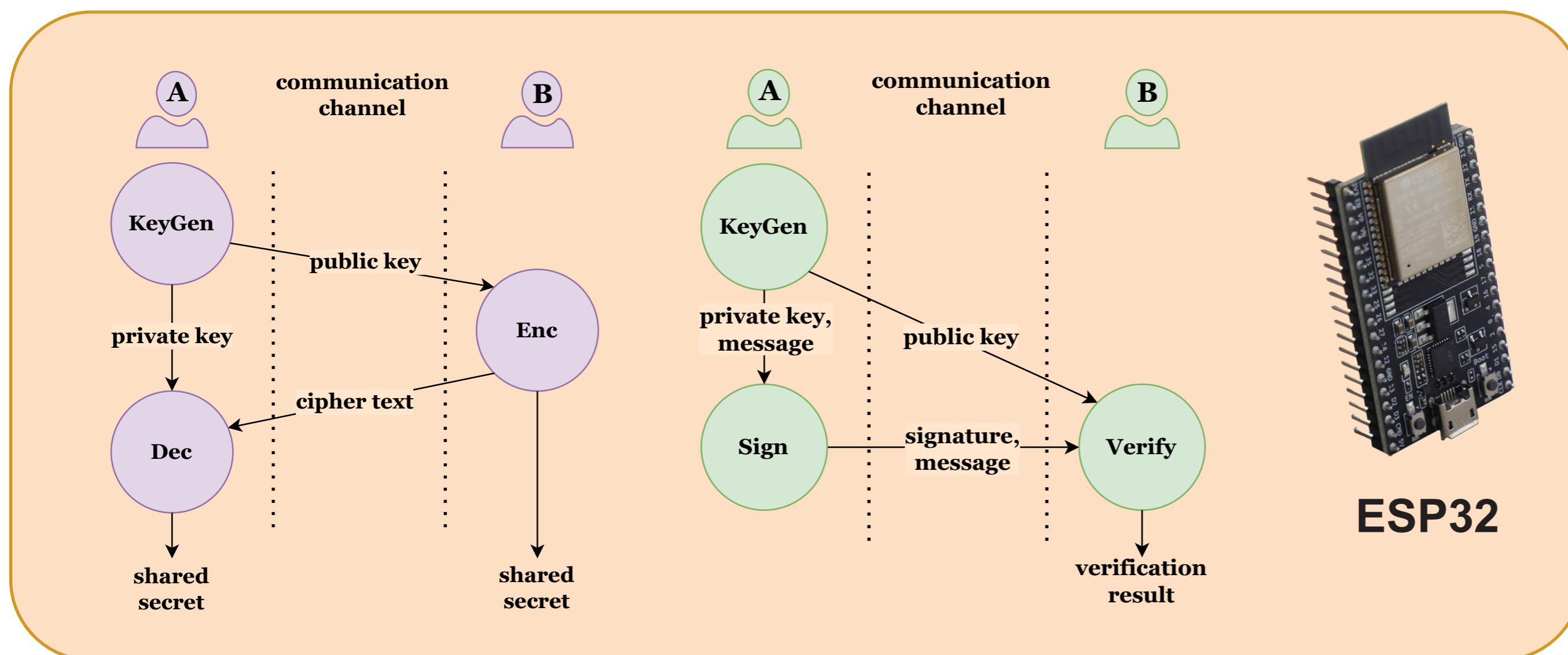
Usability of post-quantum cryptography in IoT

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Rok: 2024

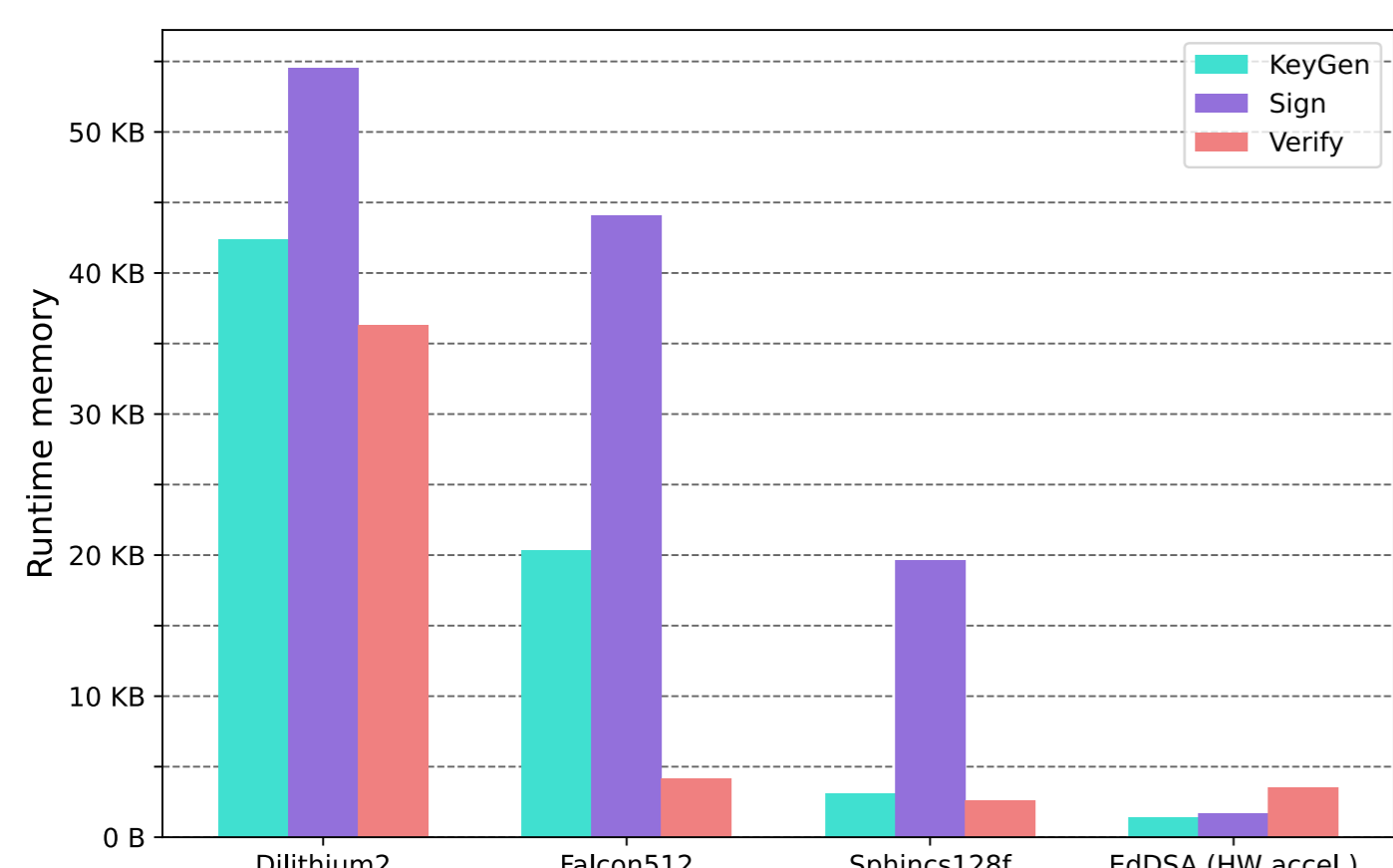
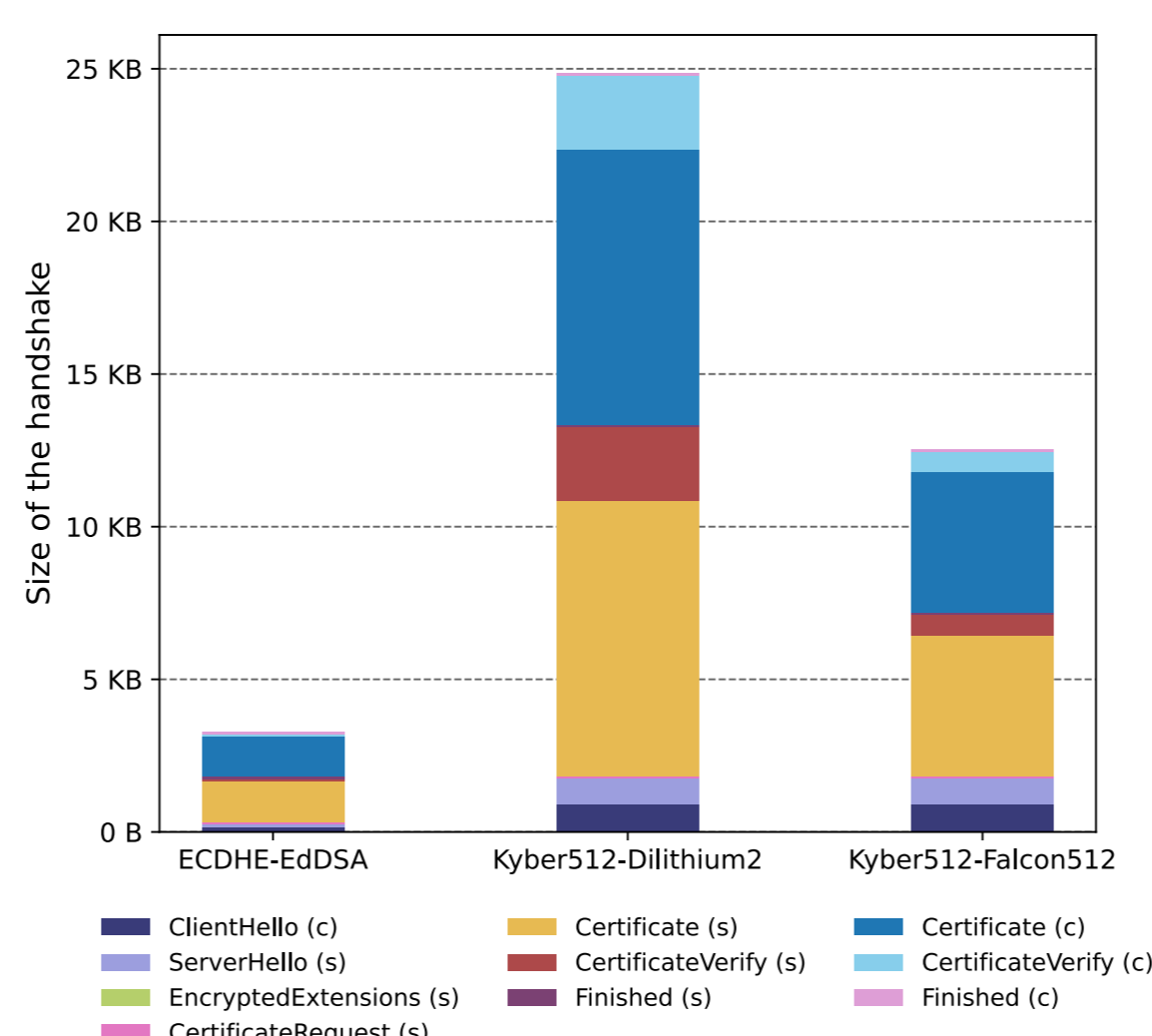
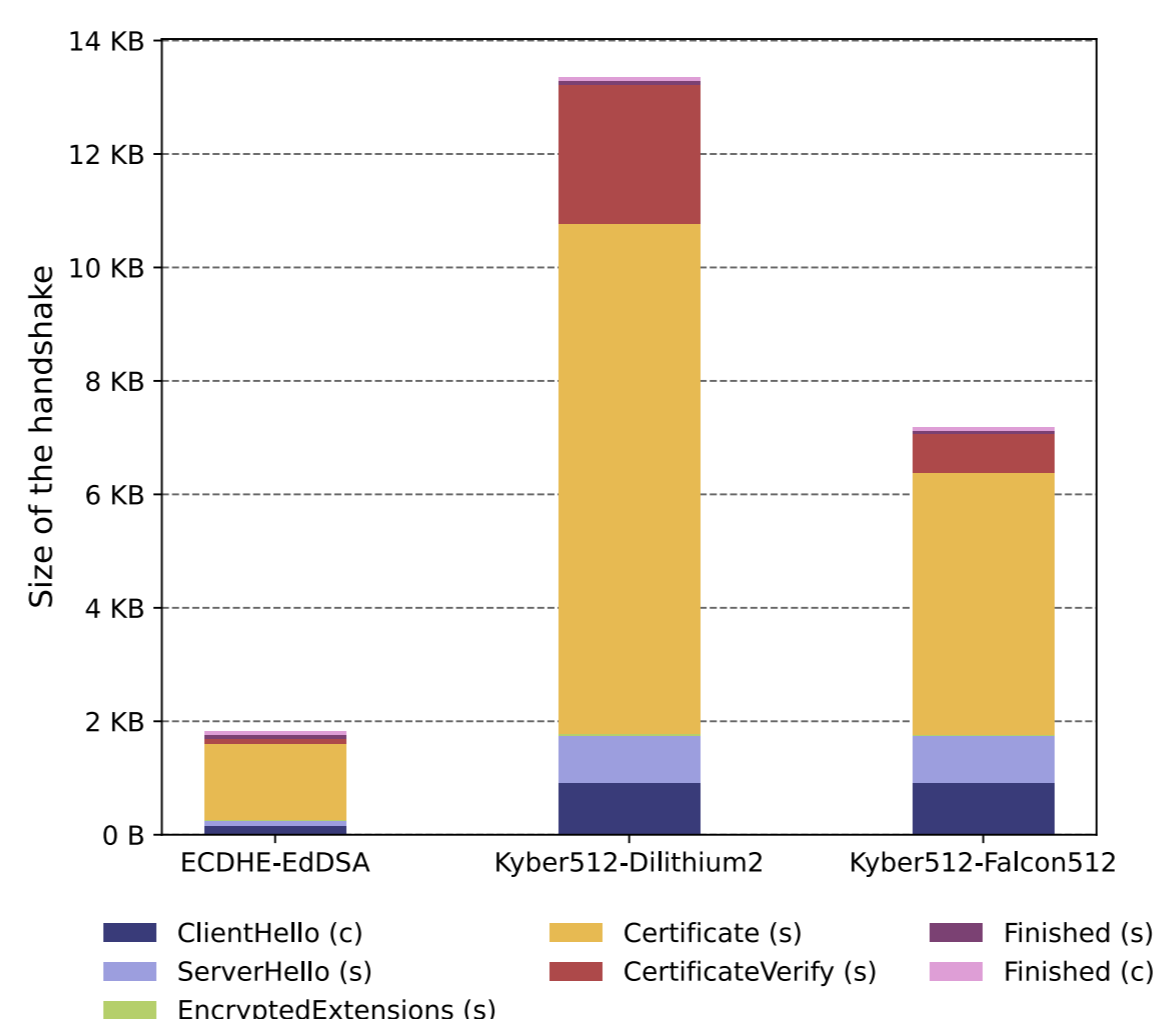
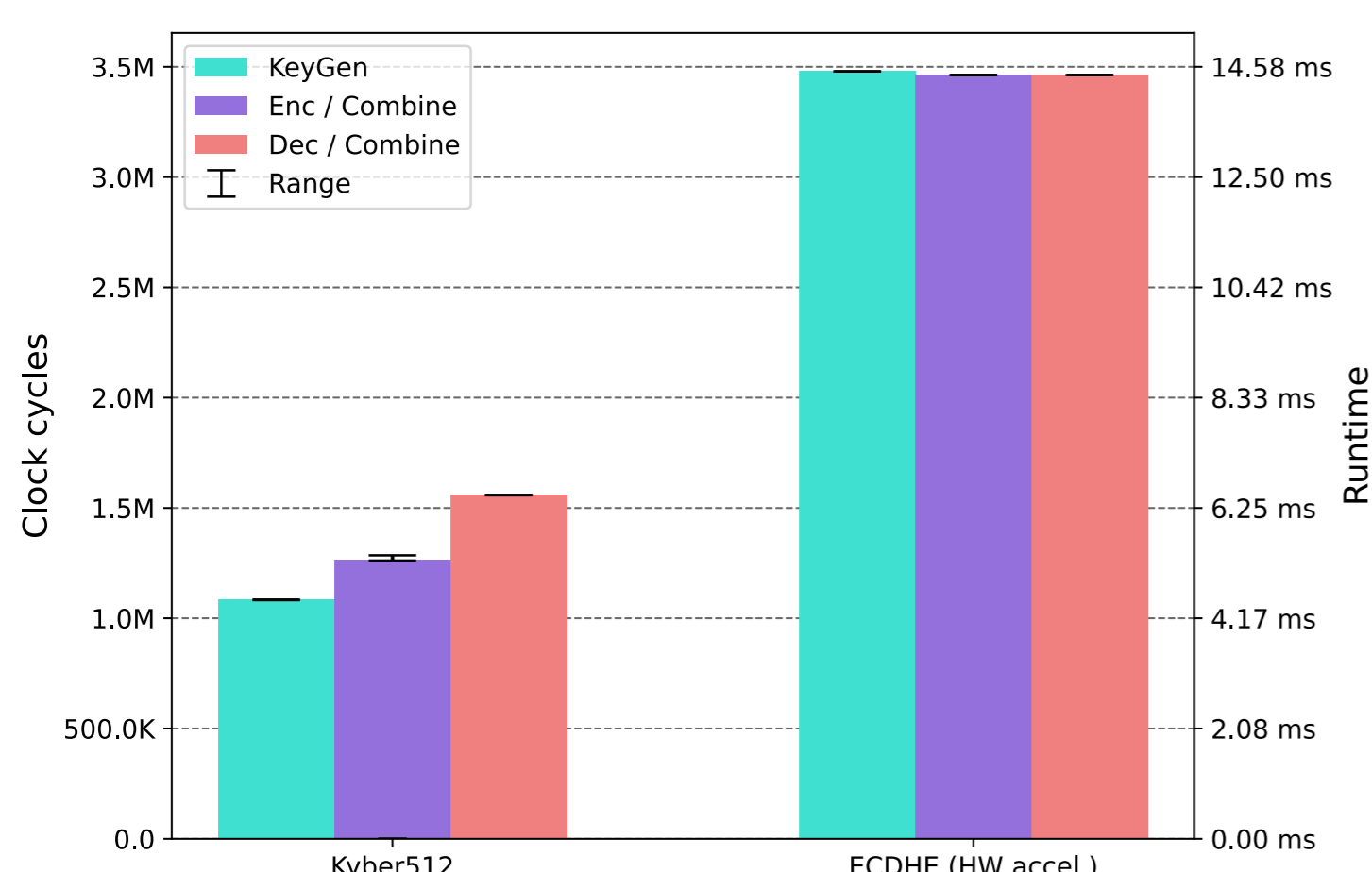
Overview of the measurements



General measurements



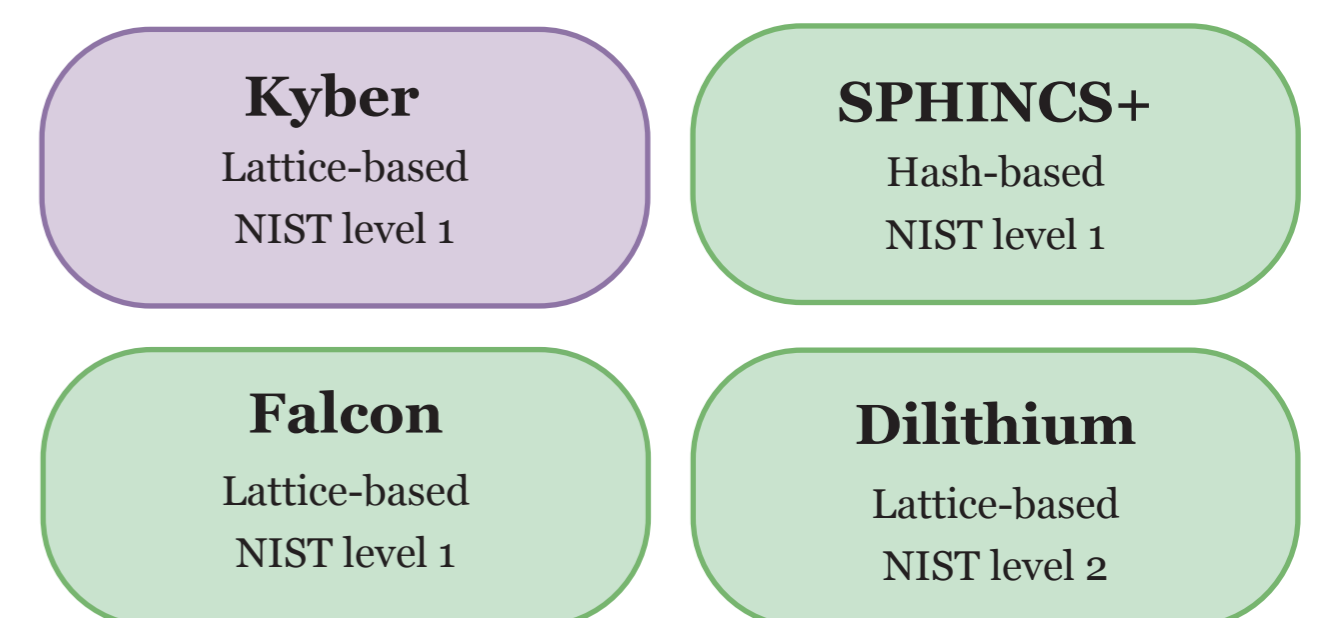
Sample of the results



Introduction

- In 20 years, there is high possibility that quantum computers are powerful enough to break current public-key cryptography
- With post-quantum cryptography in standardization process, it is important to test it, especially on resource constrained devices
- This thesis proposes a measurements for evaluating post-quantum algorithms, divided into two parts, general and real-world

Measured post-quantum algorithms



PQ TLS 1.3 communication size

