

A TEST SYSTEM AND METHOD FOR CYBER ATTACKS



Description of the Invention

The invention includes a test device and method that safeguard client devices used in IoT-based systems from cyber attacks. This test device and method offer protection by performing software, hardware, communication and KVKK-GDPR compliance testing on the client device. By employing this test device and method, client devices are fortified against potential cyber attacks, ensuring their security and integrity.



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Status

Searching

Advantages

- **Comprehensive Testing:** The test device conducts software, hardware, communication, and GDPR compliance tests simultaneously on client devices. This holistic approach ensures comprehensive protection and minimizes vulnerabilities across the entire IoT ecosystem.
- **Enhanced Security:** Through rigorous testing, the test device significantly strengthens the security of client devices. It identifies and mitigates potential weaknesses and vulnerabilities, thereby reducing the risk of successful cyber attacks.
- **Time and Cost Efficiency:** By enabling multiple tests with a single device and method, the test device provides significant time and cost savings for users. It eliminates the need for separate testing tools or services, streamlining the testing process and reducing associated expenses.

Market Information

The global cybersecurity market is known to have reached a size of \$172.32 billion USD in 2023. It is projected to grow at a CAGR of 13.8% and reach \$424.97 billion USD by 2030. The market has experienced rapid growth, largely driven by the COVID-19 pandemic. The widespread adoption of remote working systems has resulted in an increased number of cyber attacks and exposed security vulnerabilities among users. Considering the potential market for the invention, it is expected to gain a substantial market share and be actively utilized for combating cyber attacks.

Target Audience

The target market encompasses all companies operating within the specified NACE codes and requiring cybersecurity services.

Areas of Use

The invention is applicable and beneficial for all businesses that employ IoT-based devices and seek protection against cyber attacks.



Nace Code

62.09.01

Activity

Activities of saving computers from disasters and data recovery

Expectation

The primary objective is to facilitate the transfer of technology to the target market companies by means of patent licensing or transfer. This technology transfer process will be further supported through collaborative projects between industry stakeholders. The invention is deemed highly suitable for the TÜBİTAK 1702 Patent-Based Technology Transfer Support Call.

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