BixeLab

Biometric Identity Experience & Evaluation Laboratory

Letter of Confirmation

Issued to Xperix Inc.

for test report issued on the 26th of June 2023 for

ISO/IEC 30107-3 compliant Presentation Attack Detection (PAD) Level 2 evaluation of

BioMini Slim-2: Single fingerprint authentication scanner HW Version: V03B and SDK Version: v3.10.1

To whom it may concern,

BixeLab is a biometric testing laboratory accredited by National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) with testing Lab code: 600301-0. BixeLab also conforms to the requirements of ISO/IEC 17025:2017 (General Requirements for Competence of Testing and Calibration laboratories). BixeLab shall not be held liable for any interpretations, decisions, or actions based on the information contained in this confirmation letter. BixeLab does not certify or make any claims regarding the performance of the IUT outside of the described context in this letter.

Between May and June 2023, BixeLab evaluated the Item Under Test (IUT) in compliance with the applicable specifications of the ISO/IEC 30107-1 and ISO/IEC 30107-3 Presentation Attack Detection (PAD) testing and reporting standards. This evaluation was conducted at the BixeLab Headquarters located in Australian Capital Territory, Australia.

The PAD evaluation was completed to a Level 2 sophistication in a secure laboratory testing environment using 6 Level B Presentation Attack Instrument (PAI) species. These PAIs were specifically designed for 10 consenting and conformant test subjects. The evaluation focused on the "Right Index" and "Right Thumb" fingers, with 5 test subjects assigned to each finger.

The evaluation involved 180 Level B attack presentations (30 for each attack type), and 30 bona fide presentations. The following metrics were measured based on the completed testing:

1. Attack Presentation Classification Error Rate (APCER)
    a. 0 Classifications errors across all Level B attack types tested.
2. Impostor Attack Presentation Acceptance Rate (IAPAR)
    a. 0 classification errors across all Level B attack types tested.
3. Bona Fide Presentations Classification Error Rate (BPCER)
    a. 0 classification errors across all bona fide presentations tested.

A detailed test and analysis report was generated to support the findings. For the associated Attack Presentation Non-Response Rate (APNRR) and Bona fide Presentation Non-Response Rate (BPNRR) metrics for each attack type tested, please refer to the test report.

This letter confirms that the IUT - BioMini Slim-2: Single fingerprint authentication scanner HW Version: V03B and SDK Version: v3.10.1 has been tested according to the applicable ISO/IEC 30107-3 specifications for Presentation Attack Detection testing and reporting.

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