



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX SNA 24.0004X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-07-15
Applicant: **Aegex Technologies, LLC**
Flatiron Building
84 Peachtree Street NW
Atlanta, GA 30303
United States of America
Equipment: **AEGEX100M (Intrinsically Safe Tablet)**
Optional accessory:
Type of Protection: **Ex ia**
Marking: Ex ia IIB T4 Ga
-20°C < AMBIENT < 55°C
Um: 20V
IP6X

Approved for issue on behalf of the IECEx
Certification Body:

Vijayaraghavan Rangarajan

Position:

Certification Manager - Classified Hazardous Locations

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

SGS North America Inc.
620 Old Peachtree Road
NW#100 Suwanee GA 30024
United States of America





IECEX Certificate of Conformity

Certificate No.: **IECEX SNA 24.0004X**

Page 2 of 4

Date of issue: 2024-07-15

Issue No: 0

Manufacturer: **Aegex Technologies LLC,**
Hungarian Branch Office
H-7632 Pécs, Tildy Zoltán utca 27/1, Hungary
Hungary

Manufacturing locations: **PL3 Javító, Szolgáltató és
Tanácsadó Kft.**
Finn utca2
Pécs 7630
Hungary

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[US/SNA/ExTR24.0004/00](#)

Quality Assessment Report:

[US/SNA/QAR23.0001/00](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX SNA 24.0004X**

Page 3 of 4

Date of issue: 2024-07-15

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

AEGEX100M Intrinsically Safe Tablet

SPECIFIC CONDITIONS OF USE: YES as shown below:

- DO NOT REMOVE OR REPLACE THE BATTERY PACK IN HAZARDOUS CLASSIFIED AREAS. PRODUCT MUST BE USED WITH BATTERY PACK P/N: AAEB-100-XX, WHERE "XX" ARE PLACE HOLDERS OF THE PART NUMBER FOR FUTURE VERSIONS, FOR CHANGES IN THE PRODUCT THAT DO NOT IMPACT THE SAFETY OR CERTIFICATION OF THE PRODUCT.
- BATTERY PACK CAN ONLY BE USED AND CHARGED WHILE IT IS ON THE TABLET AEGEX100M. DO NOT ATTEMPT TO CHARGE THE BATTERY IN ANY OTHER MANNER.
- PRODUCT MUST BE ONLY CHARGED WITH AEGEX CHARGER P/N: AAAB-0XX-01, WHERE XX REPRESENT THE COUNTRY TYPE PLUG AND 01 REPRESENTS VERSION NUMBER.
- DO NOT OPEN THE SIM / SD CARD PORT IN A HAZARDOUS LOCATION.
- WHEN IN ZONE 0 LOCATIONS, THE PRODUCT MUST BE USED WITHIN THE CASE PROVIDED BY AEGEX. CASE P/N: APAC-100-01.
- IT MUST BE TAKEN CARE THAT DURING THE USE OF THE PRODUCT THERE IS NO POSSIBILITY OF FRICTION RESULTING FROM DIRECT CONTACT OF THE PRODUCT ENCLOSURE.
- PRODUCT MUST BE INSPECTED FOR ANY DAMAGE OR DEFORMATION, WHICH IF PRESENT, THE PRODUCT MUST NOT BE USED IN HAZARDOUS CLASSIFIED AREAS.
- PRODUCT IS AUTHORIZED TO BE SERVICED ONLY BY AEGEX.
- DO NOT CHARGE, CONNECT OR DISCONNECT THE AEGEX100M TABLET IN HAZARDOUS CLASSIFIED AREAS.
- PRODUCT MUST BE USED WITHOUT ANY ACCESSORIES OR EXTENSIONS WITHIN HAZARDOUS CLASSIFIED AREAS.



IECEX Certificate of Conformity

Certificate No.: **IECEX SNA 24.0004X**

Page 4 of 4

Date of issue: 2024-07-15

Issue No: 0

Equipment (continued):

The Aegex100M is a handheld Windows-based tablet by Aegex Technologies, LLC, intended for Ga (II 1G) Areas. The product relies on Intrinsic Safety as assessed under this report for compliance. The Tablet incorporates 2 Battery Packs, such that, only one is actively powering the tablet at a given time, while the other remains passive. This Battery Pack has a hardening potting compound material Sika Biresin which comprises of the entire free volume within the Battery Pack enclosure and forms a portion of the enclosure to provide it mechanical rigidity. The product incorporates another type of (soft) encapsulation SS5061, Silicone Solutions within the tablet (mainboard) area of the product. The Tablet and / or the Battery Pack is not intended to be opened, charged, connected, or disconnected at any time when in a Classified Area. Under this product evaluation, the tablet is also not permitted to be used with any accessories, except for the cover / case P/N: APAC-100-01. With some corners exposed when inside this cover, it should be ensured that there is no possibility of friction when product is in classified areas due to the material composition of the enclosure. The product is only intended to be charged only in unclassified areas with the help of a Wall Plug and Protection (Adapter) Circuit as identified under drawing AAAK-001-01. Additionally, the battery is intended to be charged when it is a part of the product, with the product intended to be serviced only by the manufacturer. The Tablet is observed to be suitable for T4 applications, with an ingress of IP 6X based on test sequence documented under this report.