



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 CSAE 24.0031X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2025-03-19
Applicant: **Shenzhen Chenxiang Intelligent Technology Co., Ltd.**
401, No. 99-9 Dayang Road
Rentian Community
Fuhai Street
Bao'an District
Shenzhen City 518103
China
Equipment: **Intrinsic Safety Intelligent Terminal/ A10ST**
Optional accessory:
Type of Protection: **Intrinsically Safe ic**
Marking: Ex ic IIC T4 Gc
Ex ic IIC T135°C Dc
-20°C ≤ Tamb ≤ +55°C
IP65

On behalf of CSA Group Testing UK Limited

Director/Financial Controller

Approved for issue on behalf of the IECEx
Certification Body:

Michelle Halliwell

Position:

Senior Director of Operations

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:

CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom





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Page 2 of 4

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Manufacturer: **Shenzhen Chenxiang Intelligent Technology Co., Ltd.**
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Rentian Community
Fuhai Street
Bao'an District
Shenzhen City 518103
China

Manufacturing locations: **Shenzhen Chenxiang Intelligent Technology Co., Ltd.**
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Shenzhen City 518103
China

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:

[GB/CSAE/ExTR25.0017/00](#)

Quality Assessment Report:

[GB/CSAE/QAR25.0001/00](#)

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Certificate No.: **IECEX CSAE 24.0031X**

Page 3 of 4

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The A10ST Intrinsic Safety Intelligent Terminal is a portable communication device featuring a touch display, cameras, speakers and microphones, headset, divergent LED flashlight, SIM and TF card connectors and communication interfaces for type-c, Wi-Fi, Bluetooth, GPS, NFC and 4G networks. It is powered by an internally fitted not user-replaceable Li-Ion battery, whose rating is 3.80Vdc/10000mAh.

The enclosure is constructed from PC covered by silicone rubber, with a toughened glass window. On the side of enclosure it is fitted with five function keys to operate the product. The equipment is only allowed to be charged outside of hazardous location, the maximum charging parameters are $U_m = 5.0V$, $I_m = 3.0A$.

The equipment has been tested in accordance with the test of enclosure section of EN/IEC 60079-0 and meets the requirements of IP65.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The Intrinsic Safety Intelligent Terminal shall only be charged via the charge interface in safe area using a charger approved as SELV or Class 2 equipment against EN/IEC 62368 or an equivalent EN/IEC standard.
2. The maximum voltage and current from the charger U_m and I_m shall not exceed 5.0 Vdc and 3.0A respectively. The ambient temperature during charging shall be in the range 0°C to +45°C.
3. Any Data download devices via the type-c interface shall be approved as SELV or Class 2 equipment against EN/IEC 62368 or an equivalent EN/IEC standard. The maximum voltage U_m from the device shall not exceed 5.5 Vdc.
4. Only a passive headset could be connected via the headset port in the non-hazardous area.
5. While in the non-hazardous area, a SIM/TF card may be inserted or removed.
6. When used in hazardous location, the rubber plug of the headset, charge interface and type-c interface must be properly installed. The device cannot be connected with any accessories such as a headset in hazardous location.
7. The equipment shall only be used in locations where there is a low risk of mechanical impact.

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Certificate No.: IECEx CSAE 24.0031X

Page 4 of 4

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**Additional information:
Conditions of Manufacture**

1. The adapter (for DC charger) supplied with the intrinsic safety intelligent terminal A10ST shall be approved as SELV equipment complying with the EN/IEC 62368, or a technically equivalent standard. The maximum charging voltage shall not exceed $U_m = 5.0V_{dc}$, and the maximum charging current shall not exceed $I_m = 3.0A$.

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