

CONQUEST EX201



Intrinsically Safe Mobile Phone

CUSTOM FEATURES:



Infrared Thermal Imaging
25Hz High Frame Rate, Ultra-thin Module



1D&2D Barcode Scanner
Support Newland & Honeywell Scan Engine



DMR Radio



Temperature Sensor



Ultra Bright LED Flashlight



Top Camera



Satellite Phone



Laser Pointer Distance Measurement



ATEX Approval : EX Zone - 2/22
II 3GD
Ex ic IIC T4 Gc
EX ic IIIC T100°C Dc
Ta = -20°C to +55°C
IP65



IECEx Approval : EX Zone - 2/22
Ex ic IIC T4 Gc
Ex ic IIIC T100°C Dc
Ta = -20°C to +55°C
IP65



www.conquest-ex.com

info@conquest-ex.com

SPECIFICATIONS

Operating System	Android 12, GMS
Memory	8GB+256GB
Chipset	MTK6833, Dimensity 700 Octa Core, Max to 2GHz, 7nm manufacturing process
Display	5.7-inch, IPS 1080x2160, Corning Gorilla Glass, 5 Point touch, Incell
Battery & Charging	5000mAh battery, Up to 500 hours standby Quick charge: 18W Type-C charging
Protection Class	IP65, MIL-STD-810H (SGS)
Card Slot	Dual Nano SIM card + micro SD card
Camera	Rear 64MP wide angle main camera with optional LED flash Front 13MP
WIFI	WiFi 2.4GHz and 5GHz support
Band	2G: GSM B2/B3/B5/B8 3G: CDMA:BC0 WCDMA: B1/B2/B5/B8 4G: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B25/B28/B66 LTE TDD: B38/B39/B40/B41 5G: n1/n3/n28/n41/n77/n78
Connectivity	BT5.1, NFC, FM (headset free), fingerprint scanner, AI face unlock, PoC Walkie Talkie, 3.5mm earphone port
Audio	120dB loudspeaker, Microphone: Double silicon wheat (noise reduction mic)
GNSS	GPS, GLONASS, BeiDou, Galileo, Internal antenna
Others	Proximity sensor, Ambient light sensor, Gyroscope, Electronic compass, Air pressure/altitude
Weight	Approx. 398g
Dimensions	178x78.8x18.8mm

ACCESSORIES

			
Quick Guide	Power Adaptor	Waist Clip (optional)	Type-C Cable
			
DMR Antenna (optional)	Lanyard	Only DMR Version (optional)	SIM Cover Opener

DISCALIMER: Specifications and product details are subject to change without prior notice. Conquest Mobile strives to ensure the accuracy of the information presented, but we do not warrant or guarantee the completeness or correctness of the content. Customers are encouraged to verify product specifications and availability with Conquest Mobile representatives.

For detailed specifications and inquiries, please contact us via email at info@conquest-ex.com



1 TYPE EXAMINATION CERTIFICATE

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **CSANe 23ATEX1000X** Issue: **0**

4 Equipment: **Industrial Intrinsically Safe Smartphone Terminal / conquest-S29 (EX201)**

5 Applicant: **Shenzhen Conquest Communication Equipment Co., Ltd.**

6 Address: Floor 2, Building B
Banweiyuan, No.17 Yongxiang Road
Bantian Street, Longgang District
Shenzhen
China

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V., certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN IEC 60079-0:2018 EN 60079-11:2012

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 3GD
Ex ic IIC T4 Gc
Ex ic IIIC T100°C Dc
Ta = -20°C to +55°C
IP65

Signed: M Halliwell

Title: Director of Operations



Project Number 80142170

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CSA Group Netherlands B.V. Utrechtseweg 310, Building B42, 6812AR Arnhem, The Netherlands



SCHEDULE

TYPE EXAMINATION CERTIFICATE

CSA Ne 23ATEX1000X
Issue 0

13 DESCRIPTION OF EQUIPMENT

The conquest-S29 (EX201) Industrial Intrinsically Safe Smartphone Terminal is a portable communication device featuring a touch display, cameras, speakers and microphones, divergent LED flashlight, SIM and TF card connectors and communication interfaces for Wi-Fi, Bluetooth, GPS and 5G networks.

The enclosure is constructed from PC covered by silicone rubber, with a toughened glass window. The battery pack is integral with the unit and is not user-replaceable.

The equipment has an antenna port for connection to a passive antenna. There is a port for connection to a headset and a USB interface for data communication in the non-hazardous area only.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	06 April 2023	R80142169A	The release of the prime certificate.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

- 15.1 The Industrial Intrinsically Safe Smartphone Terminal shall only be charged in safe area using a charger approved as SELV or Class 2 equipment against EN/IEC 62368 or an equivalent EN/IEC standard.
- 15.2 The maximum voltage and current from the charger Um and Im shall not exceed 9.0 Vdc and 2.0A respectively. The ambient temperature during charging shall be in the range 0°C to 45°C.
- 15.3 Any Data download devices via the USB interface shall be approved as SELV or Class 2 equipment against EN/IEC 62368 or an equivalent EN/IEC standard. The maximum voltage Um from the device shall not exceed 5.5 Vdc.
- 15.4 Only a passive headset could be connected via the headset port in the non-hazardous area.
- 15.5 While in the non-hazardous area, a SIM/TF card may be inserted or removed.
- 15.6 When using, the rubber plug of the headset and USB interface must be properly installed. The device cannot be connected with any accessories such like a headset in hazardous location.
- 15.7 The equipment shall only be used in locations where there is a low risk of mechanical impact.
- 15.8 Only a passive Antenna could be connected via the Antenna port.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Group Netherlands B.V. certificates.

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SCHEDULE

TYPE EXAMINATION CERTIFICATE

CSANe 23ATEX1000X
Issue 0

17.2 Holders of Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

Project Number 80142170

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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 23.0001X	Page 1 of 3	Certificate history :
Status:	Current	Issue No: 0	
Date of Issue:	2023-04-06		
Applicant:	Shenzhen Conquest Communication Equipment Co., Ltd. Floor 2, Building B, Banweiyuan, No.17 Yongxiang Road, Bantian Street Longgang District Shenzhen China		
Equipment:	Industrial Intrinsically Safe Smartphone Terminal / conquest-S29 (EX201)		
Optional accessory:			
Type of Protection:	Intrinsically Safe "ic"		
Marking:	Ex ic IIC T4 Gc Ex ic IIIC T100°C Dc Ta = -20°C to +55°C IP65		

Approved for issue on behalf of the IECEx
Certification Body:

Michelle Halliwell

Position:

Director Operations, UK & Industrial Europe

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





IECEx Certificate of Conformity

Certificate No.: **IECEx CSAE 23.0001X**

Page 2 of 3

Date of issue: 2023-04-06

Issue No: 0

Manufacturer: **Shenzhen Conquest Communication Equipment Co., Ltd.**
Floor 2, Building B, Banweiyuan,
No.17 Yongxiang Road, Bantian Street
Longgang District
Shenzhen
China

Manufacturing locations: **Shenzhen Conquest Communication Equipment Co., Ltd.**
Floor 2, Building B, Banweiyuan,
No.17 Yongxiang Road, Bantian Street
Longgang District
Shenzhen
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/ExTR23.0022/00](#)

Quality Assessment Report:

[CA/CSA/QAR23.0008/00](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx CSAE 23.0001X**

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Date of issue: 2023-04-06

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The conquest-S29 (EX201) Industrial Intrinsically Safe Smartphone Terminal is a portable communication device featuring a touch display, cameras, speakers and microphones, divergent LED flashlight, SIM and TF card connectors and communication interfaces for Wi-Fi, Bluetooth, GPS and 5G networks.

The enclosure is constructed from PC covered by silicone rubber, with a toughened glass window. The battery pack is integral with the unit and is not user-replaceable.

The equipment has an antenna port for connection to a passive antenna. There is a port for connection to a headset and a USB interface for data communication in the non-hazardous area only.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The Industrial Intrinsically Safe Smartphone Terminal shall only be charged 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 9.0 Vdc and 2.0A respectively. The ambient temperature during charging shall be in the range 0°C to 45°C.
3. Any Data download devices via the USB 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 using, the rubber plug of the headset and USB interface must be properly installed. The device cannot be connected with any accessories such like a headset in hazardous location.
7. The equipment shall only be used in locations where there is a low risk of mechanical impact.
8. Only a passive Antenna could be connected via the Antenna port.