

**Product Highlights**



Android 16,  
Google GMS



QCM4490  
8+256GB



48MP + 13MP  
Camera



5000 mAh Battery

**Sturdy and Trustworthy**



**Custom Features:**



Infrared Thermal  
Imaging



1D & 2D Barcode  
Scanner



DMR Radio



Temperature  
Sensor



Satellite Phone

# Conquest EX201 (S29)

Designed specifically for the rigorous demands of the Oil & Gas and Chemical manufacturing industries, the Conquest EX201 excels in data collection, field inspections, and maintenance tasks for frontline workers. Engineered with robust construction, certified for Zone 2/22, this device ensures resilience in challenging work environments, providing a reliable solution for professionals in these critical sectors.



II 3GD  
Ex ic IIC T4 Gc  
Ex ic IIIC T100°C Dc  
Ta = 20°C to +55°C  
IP68, Zone 2/22

Ex ic IIC T4 Gc  
Ex ic IIIC T100°C Dc  
Ta = 20°C to +55°C  
IP68, Zone 2/22

# TECHNICAL DATA

## Operating Systems

Android 16 with Google GMS

## Memory

8GB + 256GB (Upgradable with micro SD Card)

## Chipset

QCM4490 2.4GHz Octa-Core

## Display

TFT 5.7 HD + IPS 720 x 1440/1080 x 2160 FHD

## Battery & Charging

5000mAh battery, Up to 500 hours standby  
Quick charge: 18W wired fast charging (Type-C)

## Protection Class

IP68, MIL-STD-810H (SGS)

## Card Slot

Dual Nano SIM card + micro SD card

## Weight

Approx. 398g

## Dimensions

178 x 78.8 x 18.8 mm

## Audio

120dB loudspeaker, Microphones: Double silicon wheat (Noise Reduction Mic)

## Camera

Rear: 48MP Front: 13MP

## WIFI

WiFi 6

## Band

2G: GSM(B2/3/5/8)

3G: WCDMA (B1/2/5/8)、

4G: TDD (38/39/40/41)、 FDD

(B1/2/3/4/5/7/8/12/17/20/25/28/66)

5G: NR (n1、n3、n28、n41、n77、n78)

ANT0 5G NR (n1/n3/n28/n41 TRx1)&LTE LMHB TRx

ANT1 LTE LMHB DRx (n1/n3/n41 MIMO)

ANT2 5G NR (n77/n78 PRX0)

ANT3 5G NR (n1/n3/n78/n41 MIMO)

ANT4 5G NR (n1/n3/n78/n41 MIMO)

ANT5 n41 TRx & n77/78 MIMO

## Connectivity

BT5.2, NFC, FM, fingerprint scanner, Infrared Remote, AI face unlock, PoC Walkie Talkie, 3.5mm earphone port

## GNSS

GPS, GLONASS, BeiDou, Galileo, internal antenna

## Others

Proximity sensor, Ambient light sensor, Gyroscope, Electronic compass, Air pressure/altitude, Accelerometer

## Accessories



Quick Guide



Power Adapter



Type-C Cable



Waist Clip (optional)



DMR Antenna (optional)



Only DMR Version (Optional)



Screwdriver



Lanyard



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

This certificate and its schedules may only be reproduced in its entirety and without change  
CSA Group Netherlands B.V. Utrechtseweg 310, Building B42, 6812AR Arnhem, The Netherlands



## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

**CSANe 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  $U_m$  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.

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  $U_m$  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.

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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](http://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](http://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**

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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  
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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**

Page 3 of 3

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.