



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 22.0069X	Page 1 of 4	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2022-12-01		
Applicant:	Microcyber Corporation Floor 1-3, 1#, No.17-8, Wensu Street, Hunnan New District, Shenyang, Liaoning, 110179, China		
Equipment:	G1100 WirelessHART Smart Gateway		
Optional accessory:			
Type of Protection:	Increased Safety		
Marking:	Ex ec IIC T6 Gc Ta = -20°C - +60°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 22.0069X**

Page 2 of 4

Date of issue: 2022-12-01

Issue No: 0

Manufacturer: **Microcyber Corporation**
Floor 1-3, 1#, No.17-8,
Wensu Street,
Hunnan New District,
Shenyang, Liaoning, 110179,
China

Manufacturing
locations: **Microcyber Corporation**
Floor 1-3, 1#, No.17-8,
Wensu Street,
Hunnan New District,
Shenyang, Liaoning, 110179,
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 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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/ExTR22.0143/00](#)

Quality Assessment Report:

[CA/CSA/QAR22.0002/00](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX CSAE 22.0069X**

Page 3 of 4

Date of issue: 2022-12-01

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The G1100 WirelessHART Smart Gateway is intended to be used for Zone 2 flammable and explosive atmosphere. It consists of a metallic cover, metallic housing with an external antenna, and all the opening entry will be used certified cable gland, conduit fitting or stopping plug with suitable ingress protection for final installation.

G1100 WirelessHART Smart Gateway works in 2.4GHz ISM radio frequency band and is compatible with IEEE802.15.4 wireless standard. It provides highly reliable wireless network communication technology in common frequency band for complex factory environment. And it can provide network management function, security management function, device management function and process data protocol conversion function of the entire wireless network.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The model of button battery is BR1225A with BR Coin-type Lithium, and using in G1100 WirelessHART Smart Gateway enclosure, the button battery cannot be replaced in hazardous location.
2. Use certified cable gland, stopping plug, conduit fitting or similar device with suitable ingress of protection for final installation.
3. Equipment shall be operated such that the supply cable is protected from mechanical damage. The cable shall not be subjected to tension or torque.
4. The socket of RS 232(DB-XP) and MICROSD(TF-01A) is soldered on the PCB board and not be connect or disconnect in hazardous location.



IECEx Certificate of Conformity

Certificate No.: **IECEx CSAE 22.0069X**

Page 4 of 4

Date of issue: 2022-12-01

Issue No: 0

Equipment (continued):

Conditions of Manufacture:

1. The G1100 WirelessHART Smart Gateway shall be subjected to a dielectric strength test with 500Vac or 710Vdc for least 60 s without dielectric breakdown occurring between input and the equipment enclosure. Alternatively, the test may be carried out at 600Vac or 850Vdc for at least 100 ms. Between input and the equipment enclosure. The testing base on clause 7.1 of IEC 60079-7:2017 and EN IEC 60079-7:2015+A1:2018.