

LIUYANG XIAOWEN ELECTRONIC TECHNOLOGIES CO.,LTD  
BUILDING B1, CHANGSHA CENTER, NO.18, XIANGTAI ROAD, LIUYANG ECONOMIC DEVELOPMENT  
ZONE, CHANGSHA CITY, HUANAN PROVINCE, CHINA.

Sample Name : Sparkular Host Controller  
SGS Job No. : CP16-028146 - SZ  
Internal Reference No. : 2.1  
Tested Basic Model No. ZK6200  
(P.O. No.) :  
Manufacturer : LIUYANG XIAOWEN ELECTRONIC TECHNOLOGIES CO.,LTD  
Country of Origin : China  
Country of Destination : EU, USA  
Client Ref. Info. : According to declaration from client, the materials in models ZK5200, ZK5400, ZK5600, ZK5800, ZK6000, ZK6100, ZK6300 are the same as those in model ZK6200.  
Date of Sample Received : 11 May 2016  
Verification Period : 11 May 2016 - 15 Jul 2016  
Verification Requested : With reference to RoHS Directive 2011/65/EU recasting 2002/95/EC.  
Verification Method : Please refer to next page(s).  
Verification Result : Please refer to next page(s).  
Verification Conclusion : Based on the verification results of the submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.  
Note : The test results are related only to the tested items. The report shall not be reproduced except in full without the written approval of the testing laboratory.

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

*Jenny*

Jenny Liao  
Approved Signatory



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Verification Method :

1. With reference to IEC 62321-2:2013, review was performed for the samples disjointed from the submitted articles.
2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report
  - (1) With reference to IEC 62321-3-1:2013, screening by EDXRF spectroscopy
  - (2) Wet chemical test method
    - a. With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES
    - b. With reference to IEC 62321-5:2013, determination of Lead by ICP-OES
    - c. With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES
    - d. With reference to IEC 62321-7-1:2015 & IEC 62321:2008, determination of Hexavalent chromium by Colorimetric method using UV-Vis.
    - e. With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS



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## **VERIFICATION OF EMC COMPLIANCE**

Verification No.: SZEM160400289601V  
Applicant: Liuyang Xiaowen Electronic Technologies Co.,Ltd  
Address of Applicant: Building B1, Changsha E Center, No.18, Xiangtai Road, Liuyang Economic Development Zone, Changsha City, Hunan Province, China.  
Product Description: Sparkular Host Controller  
Model No: ZK6200  
Sufficient samples of the product have been tested and found to be in conformity with  
Test Standards: EN 61000-6-1:2007  
EN 61000-6-3:2007+A1:2011  
As shown in the  
Test Report Number(s): SZEM160400289601

This verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/30/EU. The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.



Jack Zhang  
EMC Laboratory Manager



Date: 2016-06-28

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## VERIFICATION OF COMPLIANCE

No.: LVD SZES1604001604IT  
Applicant: Liuyang Xiaowen Electronic Technologies Co., Ltd.  
Building B1, Changsha E-Center, No.18 Xiangtai Road, Liuyang  
Economic Development Zone, Hunan, China  
Manufacturer: Same as applicant  
Product Name: Sparkular Host Controller  
Product Description: --  
Model No.: ZKxxxx ("xxxx" = 0000-9999)  
Rating: 100 - 240 V; 50 / 60 Hz; 300 mA  
Protection against Electric Shock: Class I  
Additional Information: This verification replaces original verification  
SZES1604001604IT, dated on 2016-10-24, for  
correcting the manufacturer's address, model no. and  
product name.

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12:  
2011 + A2: 2013  
as shown in the  
Test Report Number(s): SZES160400160401

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.

*Walter Zheng*  
*October 2016*  
Walter Zheng  
Laboratory Manager  
SGS-CSTC



2016-11-01

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