CERTIFICATE OF COMPLIANCE

Certificate N°:

Applicant:

2719 **Basic Electronics Company** Limited

Issue date: Issued to:

March 1st, 2022 Basic Electronics Company Limited

Al Khaldiah District. Dammam, Kingdom of Al Khaldiah District, Dammam, Kingdom of Saudi Arabia

1402-Dammam Saudi Arabia

Saudi Arabia

1402-Dammam Saudi Arabia

The certified product listed below is eligible to bear the DLMS UA Mark shown



PRODUCT

| Model: | BE3160WC | | |
|----------------------------------|---|--|--|
| Туре: | BE3160WC | | |
| Firmware ID: | Id=BE3160WC V=04.00 | | |
| | | | |
| Mgmt LDN (sap = 1): | "41534832323230373030303031303230" (ASH2220700001020) | | |
| Manufacturer: | Basic Electronics Company Limited | | |
| Media Identifiers: | Abstract, Electricity | | |
| CONFORMANCE SPECIFICATION | | | |
| COSEM IF Classes and OBIS Codes: | Blue Book Ed. 14 | | |
| DLMS/COSEM Protocol: | Green Book Ed. 10 | | |
| TEST TOOL & SPEC. | | | |
| Test Specification: | Yellow Book Ed. 8 | | |
| Test Tool Version: | CTT 4.1 | | |
| Test Tool Licensee: | Hangzhou Meteronic Technology Co., Ltd. | | |
| COSEM Object definition file: | Object_defs_v14.0_Released_211011.dat | | |
| Communication profiles: | HDLC, TCP | | |
| | | | |
| | | | |

This Certificate of Compliance is based on an evaluation of a test report based on a single test executed on one specimen of the product, as identified by the Product data above. This Certificate is issued on the condition that the holder complies and will continue to comply with the requirement and procedures issued by DLMS UA.. The authenticity of the test report has been verified by the DLMS User Association and the equipment identified above is listed on its web site at: www.dlms.com.

ADLMS® CERTIFICATE OF COMPLIANCE

Certificate N°: 2719

| Certificate Nº: 2719 | | | | | | |
|--|--|--|------------------|--|--|--|
| Test File: BE3160WC-HDLC tested with CTT 4.1, release 100 | | | | | | |
| * Identification * ********** | | | | | | |
| Identification = { Applicant = "\Basic Electronics Company Limited" FLAGid = "\ASH" Manufacturer = "\Basic Electronics Company Limited" Type = "\BE3160WC" | | | | | | |
| ConfigurationId = "\00001020" SerialNr = "\00001020" | | | | | | |
|] ************************************ | | | | | | |
| * Summary * ********** | | | | | | |
| TEST SUITE | TOTAL | PASSED | FAILED | | | |
| | 52 6 3283 | 35 52 6 3283 | 0 0 0 0 | | | |
| DP SymKey | 0 9 | 0 9 | 0 0 | | | |
| SecPol | 6 | 6 | 0 | | | |
| Communication profile: HDLC | | | | | | |
| Logical device Active firmwa | | SAP = 1 is "41534832323230373030303031303230" (ASH2220700001020) Id=BE3160WC V=04.00 | | | | |
| Application c | ontext names: | LONG_NAMES LONG_NAMES_WITH_CIPHERING | | | | |
| | | NO_SECURITY LOW_LEVEL_SECURITY HIGH_LEVEL_SECURITY_GMAC | | | | |
| ACSE and xD | LMS features: | ACTION GET SERVICE_SPECIFIC SET | _BLOCK_TRANSFER | | | |
| Security featu | ures: | SERVICE_SPECIFIC_DED_CIPHERING SERVICE_SPECIFIC_GLO_CIPHERING SUITE_0, SECURITY_ACTIVATE, KEY_TRANSFER | | | | |
| COSEM class | COSEM classes tested: 1,3,4,7(1),8,11,15(2),17,18,19,20, 23,41,42,64(1),70 | | | | | |

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|---|--|--|-----------------------|--|--|--|
| | Cert | ificate N°: 2719 | | | | |
| Test File: BE3 ****** | 160WC-MODE tested | with CTT 4.1, release | 100 | | | |
| * Identificatic | | | | | | |
| Identification = { Applicant = "\Basic Electronics Company Limited" FLAGid = "\ASH" Manufacturer = "\Basic Electronics Company Limited" Type = "\BE3160WC" ConfigurationId = "\00001020" SerialNr = "\00001020" | | | | | | |
| } ********** | | | | | | |
| * Summary * ************* | | | | | | |
| TEST SUITE | TOTAL | PASSED | FAILED | | | |
| APPL SecMsg COSEM DP | | 52 6 3283 0 | 0 0 0 0 0 | | | |
| SymKey SecPol | 9 | 9 6 | 0 0 | | | |
| Communicat | ion profile: | HDLC | | | | |
| | Il device(s) found: SAP = 1 is "41534832323230373030303031303230" (ASH222070000102 | | | | | |
| Application c | ontext names: | LONG_NAMES LONG_NAMES_WITH_CIPHERING | | | | |
| Authenticatio | on mechanisms: | NO_SECURITY LOW_LEVEL_SECURITY HIGH_LEVEL_SECURITY_GMAC | | | | |
| ACSE and xD | LMS features: | ACTION GET SERVICE_SPECIFIC_BLOCK_TRANSFER SET | | | | |
| Security feat | ures: | SERVICE_SPECIFIC_DED_CIPHERING SERVICE_SPECIFIC_GLO_CIPHERING SUITE_0, SECURITY_ACTIVATE, KEY_TRANSFER | | | | |
| COSEM class | COSEM classes tested: 1,3,4,7(1),8,11,15(2),17,18,19,20, 23,41,42,64(1),70 | | | | | |

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| С | ERTIFIC/ | ATE OF C | OMPLIANCE | | |
| | | icate Nº: 2719 | _ | | |
| ************************************** | on * ***** n = { * "\Basic Electronics Co ASH" rer = "\Basic Electronic 3160WC" | ompany Limited" | 0 | | |
| Configurat SerialNr = " | ionId = "\00001020" \00001020" | | | | |
| } *********** | c . | | | | |
| * Summary ' | | | | | |
| TEST SUITE | TOTAL | PASSED | FAILED | | |
| APPL SecMsg COSEM DP SymKey SecPol | 57 6 | 57 6 3283 0 9 6 | 0 0 0 0 0 | | |
| Communica | tion profile: | ТСР | | | |
| Logical device(s) found: (ASH2220700001020) Active firmware(s): | | SAP = 1 is "41534832323230373030303031303230" | | | |
| | | Id=BE3160WC V=04.00 | | | |
| Application context names: | | LONG_NAMES LONG_NAMES_WITH_CIPHERING | | | |
| Authentication mechanisms: | | NO_SECURITY LOW_LEVEL_SECURITY HIGH_LEVEL_SECURITY_GMAC | | | |
| ACSE and xDLMS features: | | ACTION GET RLRQ_RLRE SERVICE_SPECIFIC_BLOCK_TRANSFER SET | | | |
| Security features: | | SERVICE_SPECIFIC_DED_CIPHERING SERVICE_SPECIFIC_GLO_CIPHERING SUITE_0, SECURITY_ACTIVATE, KEY_TRANSEER | | | |

KEY_TRANSFER

COSEM classes tested:

1,3,4,7(1),8,11,15(2),17,18,19,20, 23,41,42,64(1),70