

CERTIFICATE OF COMPLIANCE

Certificate Number E486108
Report Reference E486108-20170223
Date 2022-November-07

Issued to: Advantech Czech s.r.o.
Sokolska 71
Usti nad Orlici 562 04 CZ

**This is to certify that
representative samples of**

**INFORMATION TECHNOLOGY EQUIPMENT FOR USE IN
HAZARDOUS LOCATIONS**

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: See Addendum Page for Standards.

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Product(s):

USL, CNL - Class I, Division 2, Groups A, B, C, D Hazardous Location.

Product Family: SmartFlex v3 Routers and SmartSwarm v3 Routers

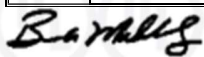
SmartFlex v3 Routers Model Number Nomenclature:

BB-SR3 07 1 7 1 2 5 SWH

A B C D E F G

Where:

| | CODE | DESCRIPTION | PWB Assembly Number (if applicable) |
|-----|------|---|--|
| BB | BB | Company identification prefix, no changes affecting construction | - |
| SR3 | SR3 | V3 Platform SmartFlex LTE Router Family –2xETH, USB, 2xBI/BO, SD Card Holder, 2xSIM, 2 DI/DO | B-RB3-3 (B-RB3-WiFi-3) |
| A | 00 | Wired Version of SmartFlex v3 | N/A |
| | 03 | Penta Band LTE: 800/900/1800/2100/2600 MHz; FDD-Band (20,8,3,7,1); Tri Band UMTS (WCDMA): 900/1800/2100 MHz; FDD-Band (8,3,1); Dual Band GSM/GPRS/EDGE: 900/1800 MHz | B-MO3-PLS8-E-5 or B-MO3-PLS8-E-6 |
| | 05 | Penta Band LTE: 700/700/850/AWS (1700/2100)/1900 MHz; FDD-Band (13,17,5,4,2)Tri Band UMTS (WCDMA): 850/AWS(1700/2100)/1900 MHz; FDD-Band (5,4,2); | B-MO3-PLS8-X-5 or B-MO3-PLS8-X-6 |



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| | | | |
|---|---|--|-----------------|
| | | Quad Band GSM/GPRS/EDGE: 850/900/1800/1900 MHz | |
| B | 0 | No WiFi | B-RB3-3 |
| | 1 | With WiFi (TI 2.4 & 5 GHz) | B-RB3-WiFi-3 |
| C | 0 | No PoE | N/A |
| | 9 | PoE PD | B-PW3-PD-2 |
| D | 0 | No optional interfaces | N/A |
| | 1 | 3x ETH Switch, 5 ETH connections | B-XC3-SW-1 |
| | 3 | RS232 (5-pin TB), RS485/422 (4-pin TB), 2 serial ports | B-XC3-485-232-2 |
| | 5 | SmartMesh IP Card | B-XC3-DUST-2 |
| E | 1 | Plastic enclosure | N/A |
| | 2 | Metal enclosure | N/A |



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| | | | |
|---|---------|--|-----|
| F | 0 | No Accessories | N/A |
| | 5 | Accessories related International Power Supply model (EU, US, UK, AUS) | N/A |
| G | SWH | SmartWorx HUB | N/A |
| | FIPS | FIPS 140-2 Certified | N/A |
| | XXXXXXX | Where -XXXXXXX = place hold alpha-numeric characters: A-Z, 0-9, “-”, and/or blank and are not safety-relevant. | |



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SmartSwarm v3 Routers Model Number Nomenclature:

SG3 05 1 9 1 1 0 -41

A B C D E F G

Where:

| | CODE | DESCRIPTION | PWB Assembly Number (if applicable) |
|-----|------|---|---|
| SG3 | SG3 | V3 Platform SmartSwarm Family - V3 Platform Hardware, 2x ETH, 1x USB, 2x BI, 1x BO, 1x MicroSD reader, 2x SIM reader | B-RB3-3 Used the: (B-RB3-WiFi-3)PWB |
| A | 00 | Wired Version of SmartSwarm v3 Wired version of SmartSwarm-351 (i.e. No Cellular Module) | N/A |
| | 03 | Penta Band LTE: 800/900/1800/2100/2600 MHz; FDD-Band (20,8,3,7,1); Tri Band UMTS (WCDMA): 900/1800/2100 MHz; FDD-Band (8,3,1); Dual Band GSM/GPRS/EDGE: 900/1800 MHz | B-MO3-PLS8-E-5 or B-MO3-PLS8-E-6 Used the: (B-MO3-PXS8-5 or (B-MO3-PXS8-6)PWB |
| | 05 | Penta Band LTE: 700/700/850/AWS (1700/2100)/1900 MHz; FDD-Band (13,17,5,4,2)Tri Band UMTS (WCDMA): 850/AWS(1700/2100)/1900 MHz; FDD-Band (5,4,2); Quad Band GSM/GPRS/EDGE: 850/900/1800/1900 MHz | B-MO3-PLS8-X-5 or B-MO3-PLS8-X-6 Used the: (B-MO3-PXS8-5 or B-MO3-PXS8-6) PWB |
| B | 0 | No WiFi | B-RB3-3 |
| | 1 | With WiFi (TI 2.4 & 5 GHz) | B-RB3-WiFi-3 |
| C | 0 | No PoE | N/A |



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| | | | |
|---|-----|---|-----------------|
| | 9 | PoE PD | B-PW3-PD-2 |
| D | 0 | No optional interfaces | N/A |
| | 1 | 3x ETH Switch | B-XC3-SW-1 |
| | 3 | RS232 (5-pin TB), RS485/422 (4-pin TB), 2 serial ports | B-XC3-485-232-2 |
| | 5 | SmartMesh IP Card | B-XC3-DUST-2 |
| E | 1 | Plastic enclosure | N/A |
| | 2 | Metal enclosure | N/A |
| F | 0 | No Accessories | N/A |
| | 5 | International Power Supply (EU, US, UK, AUS) | N/A |
| G | -51 | SmartSwarm 351 IoT Gateway Appliance Components, for Modbus to MQTT (includes SWH Client component) | N/A |
| | -41 | SmartSwarm 341 IoT Gateway Application Components, for Node JS, Node RED, Gen 1 Wizzard (includes SWH client component) | N/A |
| | -42 | SmartSwarm 342 IoT Gateway Application Components, for Node JS, Node RED, Endora Wireless nodes (includes SWH client component) | N/A |



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Standard(s) for Safety:

Standard No. ANSI/ISA 12.12.01, 2015, Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

Standard No. CAN/CSA C22.2 No. 213-15, 2nd Ed., Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

Standard No. UL 60950-1, 2nd Edition + Amendment 1 + Amendment 2, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements).

Standard No. CAN/CSA C22.2 No. 60950-1-07, 2nd Edition + Amendment 1 + Amendment 2, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements).



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