

CERTIFICATE OF COMPLIANCE

Certificate Number 20170224-E486108
Report Reference E486108-20170223
Issue Date 2017-FEBRUARY-24

Issued to: B+B SmartWorx Inc
707 DAYTON RD
OTTAWA IL 61350

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

INFORMATION TECHNOLOGY EQUIPMENT FOR USE IN
HAZARDOUS LOCATIONS
See Addendum Page for Models

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

Standard(s) for Safety:

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
UL 60950-1, 2nd Edition + Amendment 1 + Amendment 2,
Information Technology Equipment - Safety - Part 1:
General Requirements
CAN/CSA C22.2 No. 213-15, Non-incendive Electrical
Equipment for Use in Class I, Division 2 Hazardous
Locations
CAN/CSA C22.2 No. 60950-1-07, + Amendment 1 +
Amendment 2, Information Technology Equipment - Safety
- Part 1: General Requirements

Additional Information:

See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

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.

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:

SR3 07 1 7 1 2 5 SWH

 A B C D E F G

Where:

	CODE	DESCRIPTION	PWB Assembly Number (if applicable)
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
	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
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
F	0	No Accessories	N/A
G	SWH	SmartWorx HUB	N/A
	FIPS	FIPS 140-2 Certified	N/A



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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 Used the: (B-MO3-PXS8-5)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 Used the: (B-MO3-PXS8-5)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
	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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