

## TECHNICAL DATASHEET

# Bridge 4G

### MODEL NUMBER:

72113 & 72114 (Europe & Great Britain),  
72113A (North America)

## General

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Bridge is a multi-frequency radio transceiver that connects Detectors with Command Center. Bridge combines three modules: short-range radio, long-range radio and battery.

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Operating temperature range

**-40°C to +60°C**

**-40°F to +140°F**

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IP rating

**67 (waterproof)**

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Weight (including battery)

**1400 g / 3.08 lb**

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Dimensions

**95x75x295mm / 3.74x2.95x11.61 in**

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# Short range radio

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Short-range radio is used for two-way communication between the Bridge and the Detectors. Bridge has a 2,4 GHz radio module for communication with Detectors.

Standard	<b>IEEE 802.11.4</b>
Bandwidth	<b>2 MHz</b>
Data rate	<b>250 kbps</b>
Modulation	<b>QPSK</b>
Antenna	<b>Omnidirectional (external)</b>
EIRP	<b>12 dBm</b>
Security	<b>ECC (secp160r1)</b>
Authentication & encryption	<b>AES 128</b>
Max LOS distance	<b>500M / 1640.42 ft</b>
Network topology	<b>mesh</b>

# Long range radio

Long-range radio is used for two-way communication between the Bridge and the Command Center server. Bridge uses a 4G module for communication with the server.

Module type	LE910C4-EU	LE910C4-NF	LE910C4-AP	LE910C4-LA
Region	EMEA	North America (Public safety, FirstNet, AT&T,T-Mobile, Verizon) Canada	APAC (Telstra/NTT- Doco mo, SoftBank, KDDI)	LATAM
4G bands	B1, B3, B7, B8, B20, B28A	B12, B14, B4, B2, B5, B13, B66, B71	B2, B4, B5, B26, B12, B25	B1, B2, B3, B4, B5, B7, B28
3G bands	B1, B3, B8	B2, B4, B5	B1, B2, B4, B5	
2G bands	B3, B8		B2, B3, B5, B8	
Antenna	Omnidirectional (internal)	Omnidirectional (internal)		

## Battery

Voltage	3.7V
Capacity	10,2 Ah (for Bridge x4)
Lifetime	Up to 150 days standby
Time to recharge	12 hours (depending on charge type)
Auxiliary solar panel	Optional