

TECHNICAL DATASHEET

Bridge 4G

MODEL NUMBER:

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

General

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.

Operating temperature range

-40°C to +60°C

-40°F to +140°F

IP rating

67 (waterproof)

Weight (including battery)

1400 g / 3.08 lb

Dimensions

95x75x295mm / 3.74x2.95x11.61 in



Short range radio

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	IEEE 802.15.4
Bandwidth	2 MHz
Data rate	250 kbps
Modulation	QPSK
Antenna	Omnidirectional (external)
EIRP	12 dBm
Security	ECC (secp160r1)
Authentication & encryption	AES 128
Max LOS distance	500m / 1640.42 ft
Network topology	mesh

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- Docomo, 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