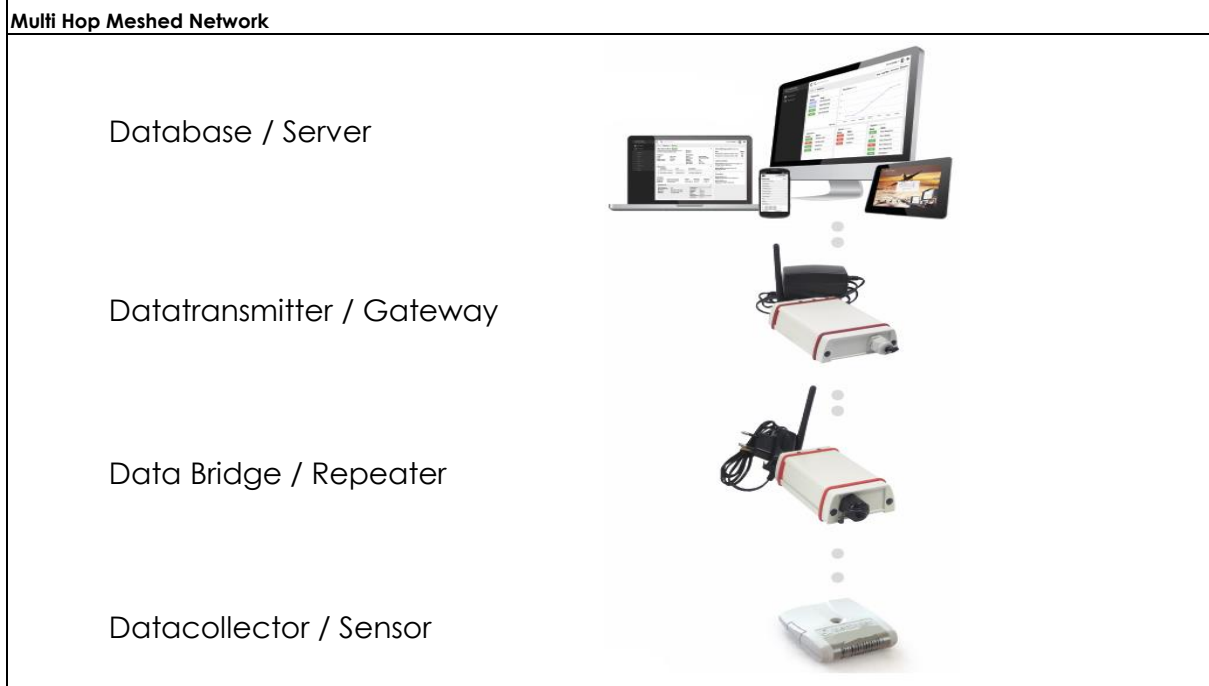


RFO Data Bridge DB 100 (Data Bridge for network extension)



Product Description	RFO DB 100
Data bridges are the data repeaters in the wireless sensor network infrastructure. Together with a Gateway they create a multi-hop mesh network that is completely autonomous.	
In a multi-hop mesh network Data Bridges can transmit messages to the Gateway by forwarding messages to each other.	
The Data bridges enable an extension of the network range in case the sensor wireless data loggers cannot communicate directly with the D'Gateway because of range impediments.	



Characteristics	
Back up battery	Li-ion (rechargeable)
Output power	External, 6.0 – 48V, 500 mA
Radio	IEEE 802.15.4 PHY compliant
Frequency	2.405 to 2.475 GHz
Typical range	100 m (LOS)
Included accessories	Power Supply; 2.4 GHz Antenna
Operational temperatur	from - 40°C up to 85°C
Size	100 x 68 x 50 mm
Protection class	IP54
Housing	Aluminium / white painted
Weight	232 grams, excluding power supply
Compliances	FCC, IC, RoHS compliant, WEEE, CE

Article No.:	RFO DB 100
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Typical Applications	
asset & facility management	Cold chain & vehicle monitoring
Applications with need for autonomous functionality	
bio/chemistry/forensic/pharmacy/environment	



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