



RFO Gateway GW 3G (Smart Gateway with 3G data transmission)



Product Description		RFO GW 3G
<p>The RFO Gateway 3G device is suitable for deployments where existing internet infrastructure is unavailable or not permitted.</p> <p>It provides 'plug and play' deployment requiring no experience or additional configuration. The RFO GW 3G includes a modem that combines 3G and GPS. As a result, the RFO GW 3G functions as a stand-alone product requiring only a power source.</p> <p>Furthermore, the RFO GW 3G includes an internal back-up battery that allows for up to 72 hours operation when main power is not available.</p>		
Characteristics		
Back up battery	Li-ion (rechargeable)	
Back up timeframe	after power down 72 hours full charge	
Charge time	4 hours (80 %) at +20 °C ; <8 hours (100 %) at +20 °C	
Charge temperature	0 ° to +40 °C	
Memory	8 MB	
Bands	GSM / GPRS / EDGE: 850 / 900 / 1800 / 1900 MHz UMTS/HSPA: {800/850} / 900 / AWS1700 / 1900 / 2100MHz	
Output power	<p style="text-align: center;">- preliminary -</p> Class 4 2W at GSM 850/900 Class 1 1W at GSM 1800/1900 Class 3 0.25W at UMTS Class E2 0.5W at EDGE 850/900 Class E2 0.4W at EDGE 1800/1900	
Sensitivity	TBD dBm at UMTS TBD dBm at GSM 850 / 900 MHz TBDdBm at DCS1800 / PCS1900 MHz	
Power input	9-48 V	
Receive (GPS)	L1 1575.42 MHz	
Accuracy	3 meter	
Sensitivity	TBD dBm (cold start)	
Time to First Fix	Cold Start: 42 sec, Warm Start: 30 sec, Hot Start: 1.8 sec	
Radio	IEEE 802.15.4 PHY compliant	
Frequency	2.405 to 2.475 GHz	
TX	+10.0 dBm (max. EIRP)	
RX	-99.0 dBm at 1% PER	
Typical range	100 m (LOS)	
Included accessories	1 x 2.4 GHz swivel antenna	
Operational temperatur	from - 10°C up to 65°C	
Size	98,5 x 32,8 x 100 mm	
Protection class	IP54	
Housing	Aluminium / white painted	
Weight	530 gr	
Compliances	RoHS, WEEE	
Article No.:		RFO GW 3G
Typical Applications		
asset & facility management	Cold chain & vehicle monitoring	
Applications with need for autonomous functionality		
bio/chemistry/forensic/pharmacy/environment		



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