# What is LPWA?

Low-Power Wide-Area (LPWA) networks deliver a new class of wireless technology specifically designed for low data IoT applications.





### Two Leading LPWA Technologies

#### **NB-IoT**

#### LTE-M / eMTC / Cat-M **5G** ready

- Focused on very low data rates
- Ideal for simpler static sensor applications
- Highest bandwidth of any LPWA technology

5G ready

Ideal for fixed and mobile applications



	NB-IoT	LTE-M
	REL 13	REL 13
Power Consumption	75X or 10 Years	
Network Coverage	20dB or 164 dB MCL	
Deployment	In-band, Guard-band, Stand alone	In-band
Worldwide SKU	Yes	
Bandwidth	180kHz	1.08MHz
Data Rate (DL/UL)	27/65kbps	300/375kbps
Resource Allocation	pre-allocated	dynamic
Mobility	no	yes
Real Time	no	yes
Voice	no	yes
Network Requirements	mostly software upgrade	software upgrade

## For more information, visit sierrawireless.com/LPWA



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