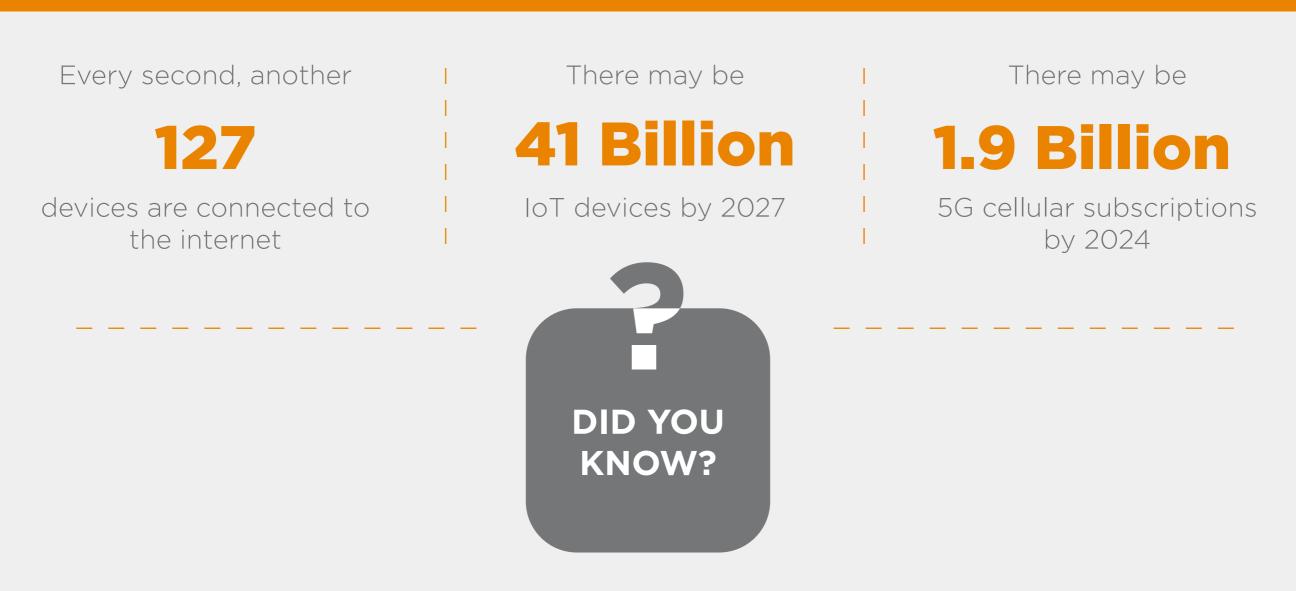


# **ENABLING VAST WIRELESS CONNECTIVITY TO UNLEASH YOUR IOT POTENTIAL IN SMART BUILDING**



The Smart Building Market is projected to grow from





TE Connectivity (TE) is a leading provider of standard embedded and external antenna solutions that can enable reliable wireless connectivity.



Security

### **Benefits**



Clean, free of transmission interferences



High efficiency antenna (signal performance)



Compact designs



Micro cells and small cells are commonly needed to enable 5G performance inside buildings



Engineering support & expertise to help deliver success for IoT Design engineers

## **Antenna Solutions**

Wireless servers: Gateway		Wireless clients	
4X4 MIMO (Wi-Fi With Cellular)	<b>NB-IoT / CAT-M Antenna</b> product #2108784-1	<b>Wi-Fi 6E Antenna</b> product #2108792-1	<b>GNSS / WLAN</b> <b>Combination Antenna</b> product #2195760-1
MIMO assembly capability with TE's RF integration service	Omnidirectional coverage On board SMD PCB antenna	Extensive contiguous clean spectrum	Combination antennas : GNSS and WLAN dual band antenna
Extensive contiguous clean spectrum	Wide Band coverage for 3G, 4G and 5G with GNSS	For use in Wi-Fi 6, Wi-Fi 6E, Bluetooth and Zigbee certified products	FPC antenna assembly
System design flexibility	Bandwidth and performance dependent on ground plane size/	Adhesive backing on the FPC simplifies mounting within the	Minimum or no matching circuits required
Quick time-to-market	design suggested minimum ground plane length from antenna feed is 120mm	device Global frequency coverage	Bandwidth and performance are not dependent on ground plane size
	Available in tape & reel	FPC antenna assembly	System design flexibility
	packaging for automatic mounting	Different cable length and connector options available	Quick time-to-market
		System design flexibility	
		Quick time-to-market	I



**TE Connectivity** portfolio benefits



#### We can address your expectations and help unleash your IoT potential by offering many wireless possibilities.

- High reliability: high performance and isolation
- High efficiency: optimized throughput, minimal losses
- State of the art antenna laboratories and in-house testing
- Easy implementation reducing total cost of ownership
- Improved sensitivity delivering excellent coverage
- Mating RF components available for greater flexibility

#### te.com/loT-Antenna

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