

# **U.S. Manufacturing Buildings and Factories: Wireless and Cellular Nodes Forecast, 2019- 2024**

Market Study  
Fourth Quarter 2019





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# Table of Contents

<b>Abstract</b> .....	<b>1</b>
<b>Executive Summary</b> .....	<b>3</b>
Table A: Cellular/Wireless Nodes Deployed in U.S. Manufacturing Buildings, 2019-2024 .....	4
Figure A: Cellular/Wireless Nodes Deployed in U.S. Manufacturing Buildings, 2019-2024 .....	4
<b>What This Means</b> .....	<b>4</b>
<b>Methodology</b> .....	<b>6</b>
<b>Manufacturing &amp; IBW</b> .....	<b>7</b>
<b>802.15 and 802.11</b> .....	<b>7</b>
<b>Reasons for limited deployment</b> .....	<b>7</b>
<b>Industry 4.0</b> .....	<b>8</b>
<b>5G New Radio</b> .....	<b>9</b>
URLLC .....	10
<b>Massive IoT</b> .....	<b>11</b>
<b>5G Services and Use Cases</b> .....	<b>11</b>
<b>CBRS</b> .....	<b>12</b>
<b>Case Studies: 5G and Manufacturing</b> .....	<b>12</b>
<b>What is required for a Smart Factory?</b> .....	<b>15</b>
<b>Major Challenges</b> .....	<b>16</b>
<b>Summary</b> .....	<b>17</b>
<b>Forecast Assumptions and Methodology</b> .....	<b>18</b>
Table 1: Number of Buildings and Enclosed Floorspace, U.S. Manufacturing Sites .....	19
Figure 1: Number of Buildings and Enclosed Floorspace, U.S. Manufacturing Sites .....	20
<b>Forecast methodology</b> .....	<b>20</b>
<b>Technology-specific forecast assumptions</b> .....	<b>21</b>
<b>Nodes in U.S. Manufacturing</b> .....	<b>23</b>
<b>Sub 6 GHz Bands</b> .....	<b>23</b>
Table 2: Sub 6 GHz Nodes by Manufacturing Sub-Sector, TAM, 2019-2024 .....	24
Figure 2: Sub 6 GHz Nodes by Manufacturing Sub-Sector, TAM, 2019-2024.....	25
Table 3: Sub 6 GHz Nodes by Manufacturing Sub-Sector, Actuals, 2019-2024.....	26
Figure 3: Sub 6 GHz Nodes by Manufacturing Sub-Sector, Actuals, 2019-2024.....	27
<b>CBRS</b> .....	<b>27</b>
Table 4: CBRS Nodes by Manufacturing Sub-Sector, TAM, 2019-2024 .....	27
Figure 4: CBRS Nodes by Manufacturing Sub-Sector, TAM, 2019-2024.....	29
Table 5: CBRS Nodes by Manufacturing Sub-Sector, Actuals, 2019-2024 .....	30
Figure 5: CBRS Nodes by Manufacturing Sub-Sector, Actuals, 2019-2024.....	31
<b>mmWave</b> .....	<b>31</b>



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Table 6: mmWave Nodes by Manufacturing Sub-Sector, TAM, 2019-2024.....	32
Figure 6: mmWave Nodes by Manufacturing Sub-Sector, TAM, 2019-2024 .....	33
Table 7: mmWave Nodes by Manufacturing Sub-Sector, Actuals, 2019-2024.....	34
Figure 7: mmWave Nodes by Manufacturing Sub-Sector, Actuals, 2019-2024 .....	35
<b>Wi-Fi.....</b>	<b>35</b>
Table 8: Wi-Fi Nodes by Manufacturing Sub-Sector, TAM, 2019-2024 .....	35
Figure 8: Wi-Fi Nodes by Manufacturing Sub-Sector, TAM, 2019-2024.....	37
Table 9: Wi-Fi Nodes by Manufacturing Sub-Sector, Actuals, 2019-2024.....	38
Figure 9: Wi-Fi Nodes by Manufacturing Sub-Sector, Actuals, 2019-2024.....	39
<b>Summary.....</b>	<b>40</b>
Table 10: Cellular/Wireless Nodes Deployed in U.S. Manufacturing Buildings, 2019-2024..	40
Figure 10: Cellular/Wireless Nodes Deployed in U.S. Manufacturing Buildings, 2019-2024	41
<b>Definitions .....</b>	<b>42</b>
Definitions Table .....	42
<b>About iGR.....</b>	<b>64</b>
<b>Disclaimer .....</b>	<b>64</b>



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## Abstract

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There are many thousands of manufacturing buildings – factories, assembly plants, etc. – in the U.S. With the advent of 3GPP 5G New Radio (NR) as the next “G” in the evolution of cellular technologies, cellular itself is seen as a way to enable the factory floor with very high throughput, ultra-reliable and low latency cellular solutions. This is seen as the path toward the “smart factory.”

This market study provides a five-year forecast for the number of Sub 6 GHz, CBRS, mmWave and Wi-Fi nodes expected to be deployed in U.S. manufacturing facilities and factories. A five-year total addressable market forecasts for these technologies are also provided.

Key questions addressed in this study:

- What is a manufacturing building or factory? What applications and services are enabled in a manufacturing building?
- What technologies are required for a smart manufacturing building or smart factory?
- What is 5G NR?
- How does 5G NR impact manufacturing buildings and factories?
- What is CBRS?
- How does CBRS impact manufacturing buildings and factories?
- What is the total addressable market for Sub 6 GHz, CBRS, mmWave and Wi-Fi nodes in U.S. manufacturing buildings and factories?
- How many Sub 6 GHz, CBRS, mmWave and Wi-Fi nodes are expected to be deployed in U.S. manufacturing buildings and factories between 2019 and 2024?

This market study is recommended for:

- Mobile operators, particularly those servicing the U.S. market
- Mobile backhaul providers, including telcos and cable MSOs



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- Wired and wireless backhaul vendors and solution providers
- Mobile OEMs, particularly those servicing the U.S. market
- Wired and wireless infrastructure vendors, particularly those servicing the U.S. market
- Financial and investment analysts.



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