+357 96 030922
info@marketpublishers.com

Private 5G Networks in the United States: 2024 – 2030

https://marketpublishers.com/r/P1437E6368F1EN.html
Date: January 2025
Pages: 2763
Price: US$ 2,000.00 (Single User License)
ID: P1437E6368F1EN

Abstracts

Private LTE networks in the United States date back to the 2010s as a niche segment of the cellular industry, characterized by specialized projects such as FirstNet early builder networks, tactical LTE networks for the military, iNET's (Infrastructure Networks) 700 MHz LTE network in the Permian Basin, and Tampnet's offshore LTE service rollout in the Gulf of Mexico. With the availability of new spectrum options and 5G technology, the market is gaining mainstream adoption with deployments of all shapes and sizes, from low-band macrocell networks for utility operations across multi-state service territories and city-wide networks in Las Vegas, Santa Maria, Tucson, Glendale, Brownsville, Longmont, New York City, and other municipalities to medium-scale networks for school districts, university campuses, and military bases; highly localized wireless systems at factories, warehouses, oil and gas facilities, maritime ports, airports, hotels, hospitals, and sports stadiums; and temporary networks in support of live broadcasting and special events.

Although the market is dominated by LTE technology, commercial deployments of private 5G networks are starting to gain significant traction in industrial and enterprise settings. Notable examples of facilities where private 5G networks are operational or being deployed include Walmart's distribution centers, Tesla's Gigafactory Texas, BMW Group's Spartanburg plant, GM's (General Motors) Factory ZERO assembly center, Toyota Material Handling's Columbus production complex, Cummins' JEP (Jamestown Engine Plant), LG Electronics' Clarksville home appliance manufacturing plant, Delta Air Lines' Atlanta operating hub, DFW (Dallas Fort Worth) International Airport, the Port of Virginia's container terminals, Boston Children's Hospital, Cleveland Clinic's Mentor Hospital, the VA's (Department of Veterans Affairs) healthcare systems, and several of the DOD's (Department of Defense) military installations. Other end user organizations, including John Deere, have also begun implementing standalone 5G connectivity at select facilities, alongside their continued rollout of private LTE networks.

+357 96 030922
info@marketpublishers.com

Another emerging trend is the growing recognition of private network-based neutral host solutions for public cellular coverage enhancement in indoor locations where DAS (Distributed Antenna System) installations are deemed too costly and complex to implement. Facilitated by the open accessibility of 3.5 GHz CBRS spectrum, private networks supporting neutral host operations are increasingly being deployed in industrial facilities, carpeted enterprise spaces, public venues, hospitals, hotels, higher education campuses, and schools across the United States. Some examples of such deployments include Tesla, Toyota, and Cummins' production sites, Meta's corporate offices, City of Hope Hospital, SHC (Stanford Health Care), Sound Hotel, Gale South Beach Hotel, Gale Hotel & Residences (formerly Natiivo Miami), Nobu Hotel, ASU (Arizona State University), Cal Poly (California Polytechnic State University), University of Virginia, Duke University, and Parkside Elementary School.

SNS Telecom & IT estimates that annual spending on private LTE and 5G network infrastructure in the United States will grow at a CAGR of approximately 18% between 2024 and 2027, cumulatively accounting for more than $3.7 Billion by the end of 2027. The market's growth will be underpinned by a diversity of spectrum options, including shared Band 48/n48 (3.5 GHz) CBRS spectrum, Globalstar's Band 53/n53 (2.4 GHz) spectrum, Band 41/n41 (2.5 GHz) EBS licenses, Band 8/n106 (900 MHz) broadband spectrum for critical infrastructure, dedicated DOD and public safety broadband spectrum, and service provider licensed frequencies.

The 'Private 5G Networks in the United States: 2024 – 2030' research package provides detailed market analysis and forecasts for private LTE and 5G networks on a global, regional, and national basis. The package includes the full edition of SNS Telecom & IT's global 'Private LTE & 5G Network Ecosystem: 2024 – 2030 – Opportunities, Challenges, Strategies & Forecasts' report and a datasheet with country-level private LTE/5G market size forecasts for the United States.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Private 5G Networks in the United States: 2024 – 2030

Product link: https://marketpublishers.com/r/P1437E6368F1EN.html

Price: US$ 2,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/P1437E6368F1EN.html