



# Wireless Network Infrastructure

AN IDC CONTINUOUS INTELLIGENCE SERVICE

IDC's *Wireless Network Infrastructure* service analyzes emerging opportunities and threats facing network equipment vendors selling to service providers offering mobile and wireless services, with specific focus on macro- and microcellular technologies and next-generation offload strategies. The service focuses on infrastructure products and solutions that support current- and next-generation wireless voice, data, and multimedia services in wide area network environments. This includes core network products for NGN architectures as well as wireless transport network technologies for backhaul. Research includes quantitative and qualitative market assessments as well as forecasts of market trends, technology requirements, and deployment strategies.

## Markets and Subjects Analyzed

- Radio access network (RAN) equipment for current- and next-generation cellular (GSM, CDMA, WCDMA/UMTS, LTE), WiMAX, and WiFi networks
- Core network equipment, including the evolved packet core, for current- and next-generation cellular, WiMAX, and WiFi networks
- Mobile softswitches, SGSNs, GGSNs, and the evolution to P-GW, S-GW, and MME
- Wireless backhaul strategies
- Next-generation wireless network infrastructure design, implementation, and other services
- Effect of signaling on operator network deployments
- Network-sharing trends and opportunities
- VoLTE development trends
- Technical, regulatory, economic, and social issues affecting network evolution and technology selection
- Vendor go-to-market strategies and competitive positioning
- Network migration strategies of network operators
- Key applications driving demand for wireless networks, including M2M and mobile advertising

## Core Research

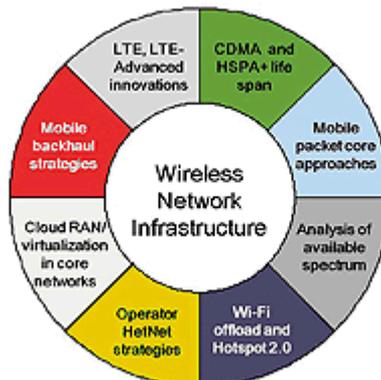
- Cellular (2G, 3G, and LTE) Infrastructure Forecast
- Heterogeneous Network Forecast
- Technology Evolution for LTE, CDMA, and WiFi
- WiFi Offload
- Wireless Infrastructure Services: A Competitive Segmentation
- Mobile Backhaul for 4G

In addition to the insight provided in this service, IDC may conduct research on specific topics or emerging market segments via research offerings that require additional IDC funding and client investment. To learn more about the analysts and published research, please visit: [Wireless Network Infrastructure](#).

## Key Questions Answered

1. What is the market for current (2G/3G) and next-generation (LTE) cellular infrastructure by segment and region?
2. How will the market evolve for femtocells, picocells, distributed antenna systems, and other "micro" deployments?
3. How will WiFi fit into future network architectures for access and offload?
4. How will operator LTE deployments proceed, and how long will HSPA and CDMA technologies coexist with LTE?
5. How are equipment vendors positioning to gain share?
6. What is the opportunity for wireless backhaul, and what new backhaul solutions are evolving?

## Wireless Network Infrastructure Coverage



---

## Companies Analyzed

IDC's *Wireless Network Infrastructure* service examines how network infrastructure vendors are positioning themselves to compete in the mobile and WiFi hotspot infrastructure market. This service reviews the strategies, market positioning, and future direction of several providers in the market, including:

ADC, Airvana, Alcatel-Lucent, Alvarion, Andrew, Aperto, Aruba, Avaya, Aviat, Cisco, Comverse, Ericsson, F5 Networks, Firetide, Fujitsu, HP, Huawei, IBM, Intel, iPASS, Juniper, Kineto, LG Electronics, Motorola Solutions, NEC, Nokia Siemens Networks, Powerwave, Proxim, Qualcomm, Samsung, Tekelec, Tellabs, ZTE, and ZyXEL. The service also tracks network deployment and

migration strategies of major mobile network operators in various regions of the world, including América Móvil, AT&T Wireless, Bell Canada, Bharti, BSNL, China Mobile, China Unicom, Clearwire, KDDI, MetroPCS, NTT DOCOMO, Orange, PCCW, Reliance, Rogers, SingTel, SK Telecom, Sprint, Tata Teleservices, Telefónica, TIM, T-Mobile, Verizon Wireless, and Vodafone.

---

## Custom Research and Go-to-Market Solutions

For IT suppliers or IT buyers doing business planning and budgeting, sales and marketing, or performance measurement, we have the custom offerings to optimize your success at every stage of your business. Our data- and content-driven approach helps you make better decisions, drive more effective marketing programs, and effectively measure your success — resulting in a greater return on your investment.

- Custom Analytics
- Buyer Behavior
- Content Marketing
- Lead Generation
- Social Media Marketing
- Business Value
- Partnering
- Thought Leadership



---

## Unparalleled Coverage of End-User Requirements Across Vertical Industries

Whether you are a technology buyer or provider, IDC Insights' research translates today's global end-user requirements and trends into business opportunities for your organization. With dedicated businesses targeting energy, financial services, government, healthcare, manufacturing, and retail, IDC provides unmatched integration of global technology and vertical industry expertise to deliver industry-specific customer intelligence that gives clients a powerful business advantage.

Connect and engage with a global network of business and IT professionals in the first-of-its-kind end-user community at <http://idc-insights-community.com>.



---

FOR MORE INFORMATION, VISIT US AT [WWW.IDC.COM](http://WWW.IDC.COM).



International Data Corporation (IDC) is the premier global provider of market intelligence, advisory services, and events for the information technology, telecommunications, and consumer technology markets. IDC helps IT professionals, business executives, and the investment community make fact-based decisions on technology purchases and business strategy. More than 1,000 IDC analysts provide global, regional, and local expertise on technology and industry opportunities and trends in over 110 countries worldwide. For more than 48 years, IDC has provided strategic insights to help our clients achieve their key business objectives. IDC is a subsidiary of IDG, the world's leading technology media, research, and events company. You can learn more about IDC by visiting [www.idc.com](http://www.idc.com).

IDC Global Headquarters, 5 Speen Street, Framingham, MA 01701, P.508.872.8200

For a complete list of IDC's worldwide offices, visit [www.idc.com/offices](http://www.idc.com/offices)