

Mobile Backhaul Network Technologies and Connectivity Market

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Wireless networking of all types — cellular, LAN, WAN, WiFi, and satellite — is undergoing a period of transition. While it took more than five years for cellular sites to be upgraded from 2G to 3G, it appears that the conversion from 3G to 4G or LTE will be much

shorter. In 2011, Verizon claimed that the changeover would happen before the end of 2012. That was a bit optimistic given the current economic conditions, but Verizon, and its largest rival AT&T, have made great strides in installing 4G-LTE. There are many more factors driving this upgrade than there were in play when 3G was being deployed. Smartphones were just coming onto the scene, and the tablet computer had not yet been invented. Now these devices are everywhere and their users want to be connected all the time, which has put a tremendous burden on aging 3G networks.

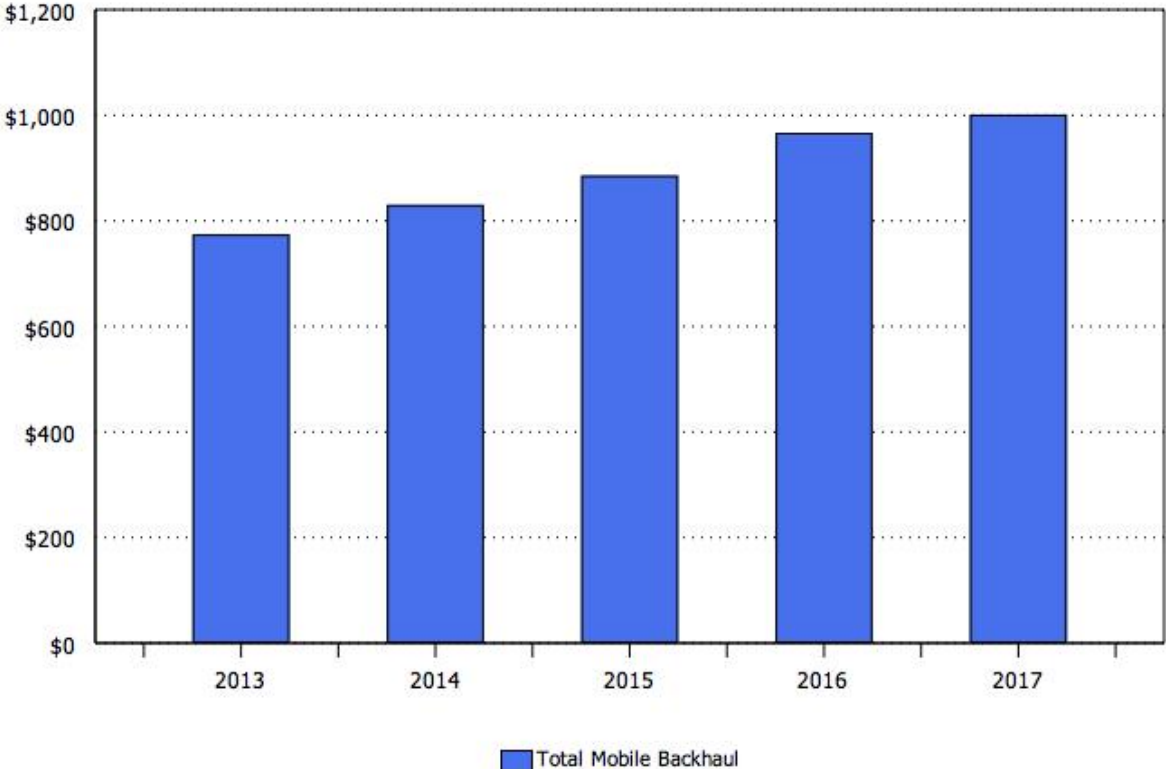
Since the release of the SmartPhone and the tablet, mobile networks have seen an ever-increasing need for better data handling. Thus, we have seen the progression from 2G to 3G and now to 4G-LTE. While all of these new front-end technologies are great, they have pushed the bottleneck into the backhaul network. So now mobile users can connect to the wireless tower quickly, but the data gets stuck in the queue at the base-station, where there may be a Gigabit Ethernet connection handling 100's (in some cases perhaps 1,000's) of data requests.

Carriers are addressing the need to enhance mobile backhaul networks in several ways, depending on where they are in the world and how many subscribers they cover. Solutions range from pico-cell microwave transmission to Carrier Ethernet-over-fiber.

Overall revenue for connectivity products sold into the mobile backhaul market is set to reach nearly \$1 billion in 2017, as shown in chart below. This report discusses the varying technologies being used in mobile backhaul networks, the equipment involved, and the connectivity products needed to support these solutions.

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**Total Revenue for Mobile Backhaul Market
2013 to 2017**



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What's New ?

Bishop & Associates has recently completed several new research reports about the worldwide connector industry. A table of contents for each report can be found at <http://store.bishopinc.com>.

- Report P-980-13** **Mobile Backhaul Network Technologies and Connectivity Market (October 2013) NEW**
- Report P-610-13** **World Market for Terminal Blocks (September 2013) NEW**
- Report C-122-13** **2013 Connector Industry Yearbook (September 2013) NEW**
- Report P-799-13** **2013 World Cable Assembly Market (August 2013) NEW**
- Report M-121-13** **2013 Top 100 Connector Manufacturers (July 2013)**
- Report C-303-13** **2013 European Customer Survey of the Electronic Connector Industry (July 2013)**
- Report P-881-13** **Evolving High-Speed Backplane Connectors (June 2013)**
- Report M-1501-13** **Medical Electronics Market for Connectors (May 2013)**
- Report M-700-13** **Connector Market Handbook (April 2013)**
- Report D-200-13** **The North American Distributor Market for Connectors (April 2013)**
- Report M-4100-13** **Commercial Aviation Market for Connectors (March 2013)**
- Report M-850-13** **Mobile and Desktop Computing Market Analysis and Forecast: 2010-2020 (February 2013)**
- Report F-2012-02** **Connector Industry Forecast (January 2013)**
- Report P-970-13** **Structured Cabling Technology and Market Assessment (Jan 2013)**

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The [**CONNECTOR INDUSTRY YEARBOOK**](#) is available for \$1,250. However, Bishop & Associates offers a special combined price of \$1,450 for [**THE BISHOP REPORT**](#) and the [**CONNECTOR INDUSTRY YEARBOOK**](#) (an annual savings of \$750).

To view an expanded report description, and a complete table of contents, for all Bishop & Associates' research reports, [**click here**](#).



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