CommScope Makes 5G Implementation Smarter and Faster with New Antennas, Connectors and Power Solutions

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HICKORY, N.C.--(BUSINESS WIRE)--Feb. 18, 2020-- To support the surge of 5G rollouts around the world, CommScope announced today several antenna solutions, connectors and power options to make it simpler and faster for wireless operators to build their networks.

Antennas

An ABI Research report, "*The Rise & Outlook of Antennas in 5G*," states that "Key considerations for operators will continue to be antenna height, weight, and install time, reinforcing the importance of implementing multi-band antennas." CommScope's new antennas address the issues of limited space and installation.

- Narrow width antennas: Adding capacity to sites with zoning restrictions or where structural loading is limited can be challenging. For those concerned about size, CommScope offers antennas in multiple lengths and bands with a 14% narrower width and 15% lower wind loading and is the only one in the industry to offer 4 mid-band arrays for 43 cm and 3 mid-band arrays in 39 cm which allows operators to attach more radios to a single antenna.
- Zero footprint solution: CommScope's zero footprint solutions address the issue of limited space and installation complexity through:
    - A modified CommScope base station antenna that includes 8T8R functionality, mounting brackets to attach the antenna to the pole, and mount points on the back of the antenna;
    - Connection to an 8T8R radio provided by the operator; and
    - Custom connectivity solutions such as jumper cables, radio mount and cable management brackets, as well as a service to attach and verify the installation.

Connector

As previously mentioned, the number of ports are increasing which can lead to confusion and incorrect wiring. CommScope is introducing the M-LOC cluster connector to support the increase in antenna port quantities resulting from multiple bands on a single antenna. In less than 5 years, port counts have grown from less than 10 to easily above 20 on a single antenna. M-LOC enables up to 5 network connections on a single push and lock motion reducing installation time by more than 75 percent and removes ports connections uncertainty to 8T8R and 4T4R antennas and ensure best in class Return Loss, Passive intermodulation and attenuation performances.

Power Solutions

The rollout of 5G means more remote radio units that are high powered and, in some regions, a shift to massive MIMO architecture. To address the power needs that accompany this rollout, CommScope is offering a new version of its PowerShift line of products that is a single-rack unit, supporting up to 2,000 wattage per circuit, with power connectors in the front. The single rack-unit option addresses the issue of limited space while the front connections offer easier access for installers.

About CommScope:

CommScope (NASDAQ: COMM) and the recently acquired ARRIS and Ruckus Networks are redefining tomorrow by shaping the future of wired and wireless communications. Our combined global team of employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of what's possible. Discover more at www.commscope.com.

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