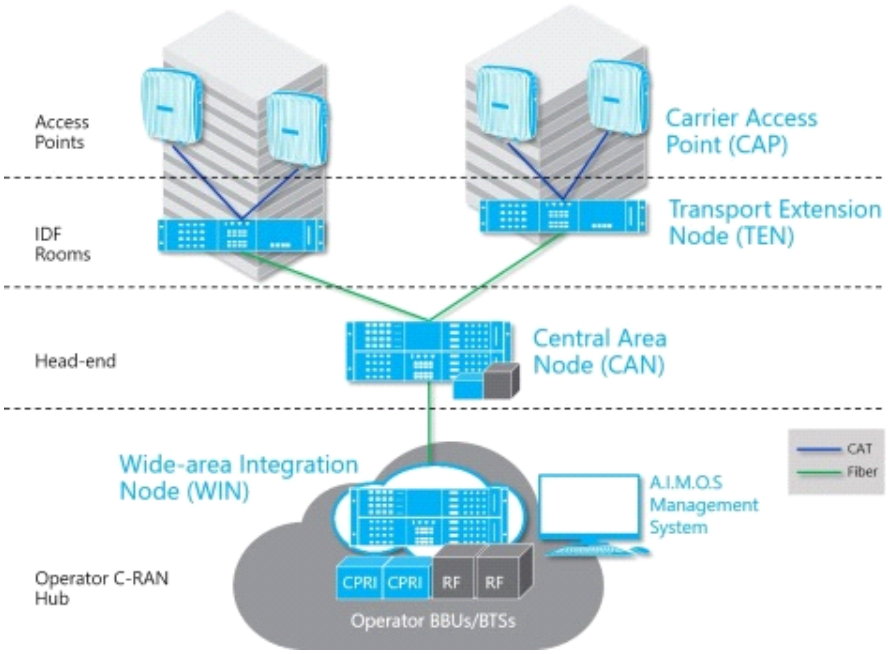
February 13, 2018

CommScope Initiates a New ‘Era' for In-building Wireless

—The All-Digital CommScope Era Enables Baseband Centralization and Virtualization for Major Space and Fiber Cable Savings—

HICKORY, N.C.--(BUSINESS WIRE)-- The vision for future wireless network architectures is built on centralized baseband processing and virtualized network functions for more efficient and flexible operation. CommScope is making that future vision a reality for in-building wireless by introducing a next generation platform, CommScope Era™.

This press release features multimedia. View the full release here: http://www.businesswire.com/news/home/20180213005241/en/



CommScope Era enables operators to deploy a centralized headend that serves multiple buildings, or even to tap capacity from the operator's existing C-RAN hubs. (Graphic: Business Wire)

CommScope Era is an all-digital C-RAN antenna system that leverages wireless operators' initiatives to centralize and virtualize baseband radio assets, a foundational design concept for 5G networks.

Era enables operators to deploy a centralized headend that serves multiple buildings, or even to tap capacity from the operator's existing centralized radio access network (C-RAN) hubs. Era's innovative Wide-area Integration Node (WIN) resides in the C-RAN hub and routes baseband capacity to a distribution point within the served building or campus. Era allocates baseband capacity where it is needed while reducing the amount of onsite head-end equipment and the amount of fiber needed for signal transport by up to 90 percent.

"We have invested heavily to create an all-digital platform architecture that upends the economics of in-building wireless and ushers in a new era and standard for distributed antenna systems," said Matt Melester, senior vice president, Distributed Coverage and Capacity Solutions, CommScope. "CommScope Era will be a key enabler for network densification in LTE Advanced, Gigabit LTE and 5G."

CommScope holds 164 patent families for the technological innovations incorporated in Era. CommScope Era's all-digital architecture enables capabilities that analog DAS simply cannot. Capacity re-allocation, soft re-sectorization, system setup and diagnostics are all software functions in Era, capable of being changed with a few clicks of a mouse. Era also transports Gigabit Ethernet backhaul to each remote node, which can be used for separate Wi-Fi networks, IP security systems or to support a small cell overlay needed for future network expansion.

Era features a new family of access points that are available in a range of power levels, with copper and fiber connectivity and outdoor and plenum ratings, to serve a wide variety of venue types. It supports interleaved MIMO (multiple input/multiple output) using patented technology that can offer up to 80 percent of collocated MIMO speeds over a SISO (single input/single output) infrastructure. Era uses IT-standard copper and fiber-optic infrastructure and allows for the sharing of existing fiber networks, significantly reducing fiber costs.

"New systems like CommScope Era respond to operators' needs for options that will make in-building wireless more affordable for building owners and commercial real estate companies," said Kyung Mun, principal analyst, Mobile Experts. "Driving down costs and barriers to in-building wireless implementation will be critical for supporting the emerging demand for connected smart buildings."

CommScope Era is built on the all-digital architecture pioneered and proven in the company's ION-E® distributed antenna system. ION-E is CommScope's IT-friendly enterprise mobility solution that is still an exceptional choice for many enterprise deployments. Existing ION-E systems can be software-upgraded to be interoperable with Era.

CommScope will show the new CommScope Era™ C-RAN antenna system in its stand 2J30 at Mobile World Congress 2018 in Hall 2.

Resources:

Video: CommScope Era™ C-RAN Antenna System

About CommScope:

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 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 http://www.commscope.com.

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This press release includes forward-looking statements that are based on information currently available to management, management's beliefs, as well as on a number of assumptions concerning future events. Forward-looking statements are not a guarantee of performance and are subject to a number of uncertainties and other factors, which could cause the actual results to differ materially from those currently expected. In providing forward-looking statements, the company does not intend, and is not undertaking any obligation or duty, to update these statements as a result of new information, future events or otherwise.

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