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Nokia Siemens Networks introduces three TD-LTE devices at PT Expo Comm 4G plug-and-play USB dongle, indoor, outdoor wireless routers deliver broadband access

Nokia Siemens Networks has launched three new 4G devices* at PT Expo Comm in Beijing, China. The devices allow consumers to enjoy broadband access at up to 102 Mbps (Megabits per second) downlink and 51 Mbps uplink to support data-intensive services on TD-LTE (time division-duplex, long term evolution) networks. The devices address broadband access requirements that range from basic connectivity in under-served regions, to high-speed, mobile broadband in dense metro areas. All are now available to customers.

A plug-and-play USB dongle, the USB-lte 7210 offers mobile broadband to laptops and compatible tablets whilst on the move. Nokia Siemens Networks CPEi-lte 7212 is a wireless router built for indoor use that provides fixed wireless connectivity to TD-LTE services via WiFi or Ethernet. A further wireless router, Nokia Siemens Networks CPEo-lte 7210, built to withstand the weather and be mounted outdoors, can also provide broadband access. The devices are commercially available to support 4G services using the TD-LTE standard in the 2.3 GHz and 2.6 GHz bands allocated for wireless broadband in many parts of the globe.

“The availability of compatible devices in the market can be a significant factor in the uptake of a new wireless technology. By providing devices directly, we allow our customers to offer complete broadband packages to consumers, which in turn would speed up the adoption of new, 4G services,” said Ken Riordan, head of devices at Nokia Siemens Networks.

The devices use techniques such as Multiple Input Multiple Output (MIMO) **, transmit diversity, and receiver sensitivity, exceeding 3GPP standards to improve performance and reduce costs. These features allow operators to offer increased throughput, and better indoor coverage using fewer cell sites. In addition, consumers benefit from minimal orientation loss with the devices, using the device optimally in any position or orientation.

[Download photo:](#) Nokia Siemens Networks plug-and-play USB dongle - USB-lte 7210

About Nokia Siemens Networks

Nokia Siemens Networks is a leading global enabler of telecommunications services. With its focus on innovation and sustainability, the company provides a complete portfolio of mobile, fixed and converged network technology, as well as professional services including consultancy and systems integration, deployment, maintenance and managed services. It is one of the largest telecommunications hardware, software and professional services companies in the world. Operating in 150 countries, its headquarters are in Espoo, Finland. www.nokiasiemensnetworks.com

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Media Enquiries

Nokia Siemens Networks

Irene Nie
Communications, Greater China Region
Phone: +86 10 8405 5013
E-mail: irene.nie@nsn.com

Media Relations

Phone: +358 7180 31451
E-mail: mediarelations@nsn.com

Notes to editors:

*The new TD-LTE devices launched by Nokia Siemens Networks include:

- USB-lte 7210: It is a TD-LTE USB wireless modem designed to be connected directly to PCs. It can be used indoors, outdoors, at home or on the move via a common USB interface available on the end user's laptop, netbook or tablet for a plug-and-play experience with installation required.
- CPEi-lte 7212: It is a plug-and-play; high-performance indoor modem designed to be installed inside customer's location featuring an Ethernet port as well as integrated 802.11 b/g/n Wi-Fi. The device is a desktop unit that provides fixed and nomadic access.
- CPEo-lte 7210: It is an outdoor modem for cost-effective and convenient wireless broadband access with hassle-free installation. It incorporates design features that minimize the time, effort and cost of bringing broadband and voice service to new subscriber locations.

All devices exceed 3GPP standard receiver sensitivity to achieve higher throughput farther from the cell. This potentially reduces network infrastructure costs for operators and improves end user experience. The devices support standards-based device management and allow over-the-air software upgrades, enabling operators to expand and enhance their abilities. All devices are commercially available now in LTE band classes 38 or 40 with devices for the other band classes to be added in the future.

** MIMO refers to the use of multiple antennas at both the transmitter and receiver to improve communication performance and is one of the several forms of smart antenna technology.