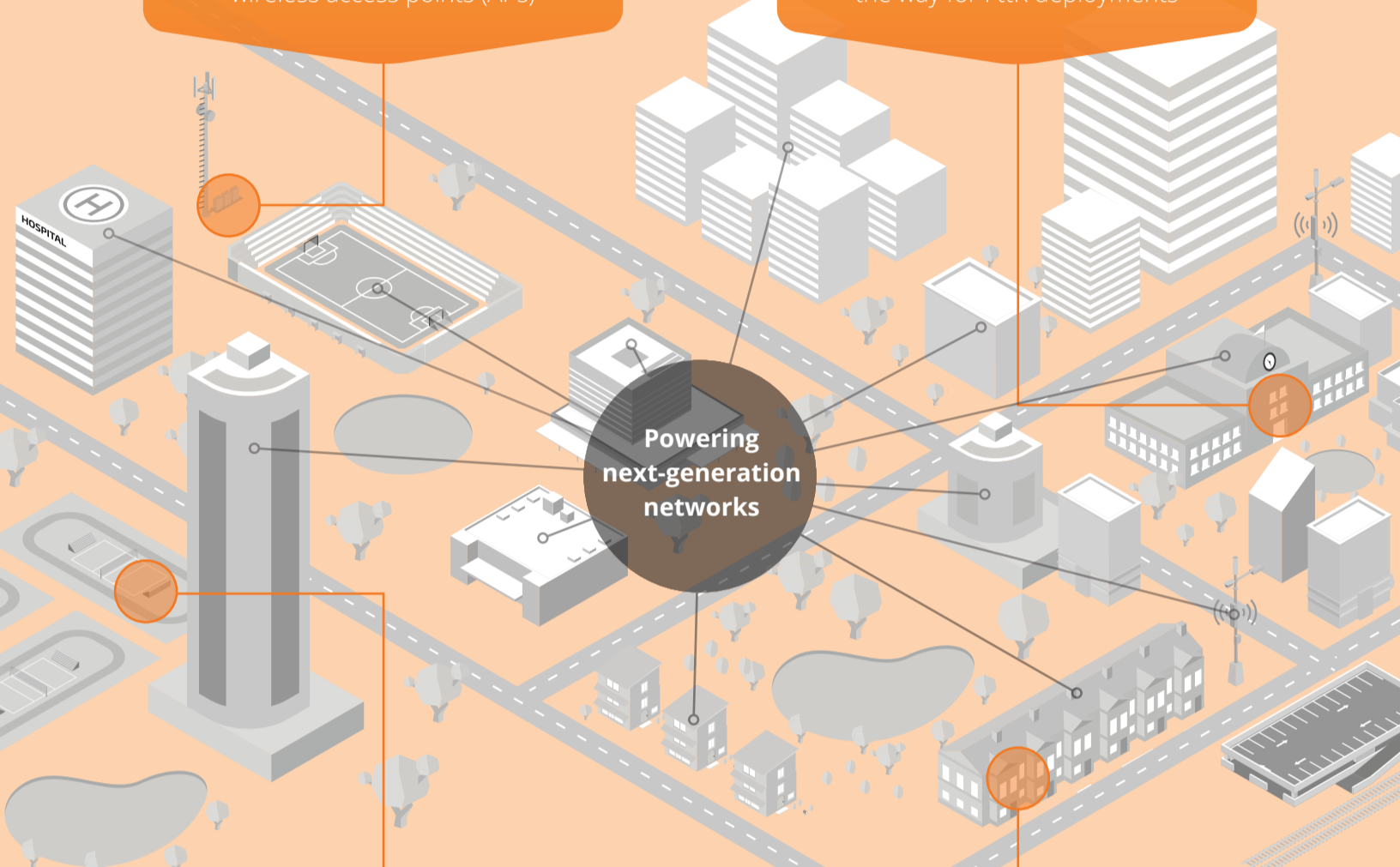# RUCKUS® ICX® 8200:
Powering Next-gen Networks

Next-gen networks—what you need them to do

Today's networks need to be optimized for wireless-first and internet of things (IoT) connectivity. You need a flexible network infrastructure that supports both multigigabit fiber and copper connectivity plus high power over Ethernet (PoE) power at the edge and fiber to the room (FttR).

Networks need **multigigabit ports** and **high PoE power delivery** to support next-generation wireless access points (APs)

Vertical industries like education and hospitality need to **future-proof network infrastructure** to pave the way for FttR deployments

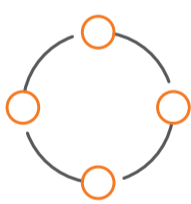**Powering next-generation networks**

New spectrum in the 6 GHz band means true multigigabit and low-latency wireless connectivity, creating a need for **higher performance** and **scalability** at the wired edge of networks

Supporting new work trends like remote and hybrid working models

$100 billion will be spent on switches over the next five years. (Dell'Oro Group)

Switching on the future with RUCKUS ICX 8200

RUCKUS ICX 8200 access switches are tailored to enable next-generation wireless-first and IoT networks. They offer manageability, performance, and reliability with the flexibility, cost-effectiveness, and "pay as you grow" scalability of a stackable solution. Key features include:
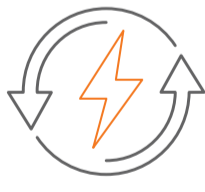
Unmatched connectivity options: gigabit, multigigabit edge ports and FttR in a single stackable switch series.

Maximum performance: 2.5/5/10 GbE edge ports for latest multigigabit Wi-Fi APs with support for Wi-Fi 5, Wi-Fi 6/6E, Wi-Fi 7 and beyond.

Up to 8x 25 Gbps SFP28 dual-mode uplink/stacking ports eliminate uplink bottlenecks and deliver low latency for cloud applications.

High power delivery: power next-generation wireless APs and IoT devices with up to 90 W per port of PoE and high PoE budget up to 1480 W per unit.

Deployment flexibility: RUCKUS signature advanced stacking capabilities, up to 12 units on standard SFP+/SFP28 fiber ports up to 10 km. Makes deployment simpler and eliminates need for specialized hardware for stacking.

Enhanced security and data privacy: with VXLAN support for advanced network segmentation and data confidentiality.

Three years technical assistance plus center support: in addition to limited lifetime warranty with every ICX 8200.

Power-over-Ethernet (PoE) ports are forecast to compose more than **half of the total switch port shipments by 2027**. (Dell'Oro Group)

DISCOVER MORE ABOUT RUCKUS ICX8200 SWITCHES