

Swaziland Communications 5G indoor base station





Overview

What is a 5G radio access network?

The 5G Radio Access Network (RAN) is the interface between user devices and the 5G core network. It comprises base stations and small cells that manage radio communications, enabling ultra-fast data transfer and low-latency connections.

What is a 5G NR Network?

As defined in 3GPP TS 38.300, the 5G NR network consists of NG RAN (Next Generation Radio Access Network) and 5GC (5G Core Network). As shown, NG-RAN is composed of gNBs (i.e., 5G Base stations) and ng-eNBs (i.e., LTE base stations). The figure above depicts the overall architecture of a 5G NR system and its components.

Are indoor 5G small cells a good investment?

Ericsson's indoor 5G small cells are a proven technology for delivering high-performing, secure and cost-efficient networks. With the growth of data-use indoor, is your network performing to its full potential?

Over 80 percent of mobile data is consumed inside – while most buildings lack an indoor 5G network.

What is a 5G base station?

5G base stations operate on various frequency bands, including sub-6 GHz and mmWave, to deliver ultra-low latency, high data throughput, and enhanced capacity. They support massive MIMO (Multiple Input Multiple Output) technology, enabling improved coverage and simultaneous connections for a large number of devices.

How 5G technology is transforming connectivity?

5G technology is revolutionizing connectivity, and the manufacturers of 5G



equipment are leading this transformation. From modems and base stations to RAN, antenna arrays, and core networks, these companies are providing cutting-edge solutions. Leading vendors are offering innovative products to enhance network speed, coverage, and efficiency.

What are Ericsson's Indoor 5G small cell solutions?

Ericsson's indoor 5G small cell solutions are a proven technology for delivering high-performing and robust cellular networks. [Know more here](#) and accelerate 5G



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[5G Network Equipment Manufacturers: Modem, Base Station, ...](#)

A 5G base station is the critical infrastructure that provides wireless connectivity in 5G networks. It consists of antennas, transceivers, and digital processing units that transmit and receive radio ...

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Mavenir's indoor small cell solution leverages EdgeQ's highly programmable "Base station-on-a-chip" to deliver a singular solution that is dynamically configurable to help service providers ...



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