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Title: Lafalink outdoor base station principle

Generated on: 2026-04-19 13:01:57

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What is a wireless base station?

A base station represents an access point for a wireless device to communicate within its coverage area. It usually connects the device to other networks or devices through a dedicated high bandwidth wire of fiber optic connection. Base stations typically have a transceiver, capable of sending and receiving wireless signals;

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What are the properties of a base station?

Here are some essential properties: Capacity: Capacity of a base station is its capability to handle a given number of simultaneous connections or users. Coverage Area: The coverage area is a base station is that geographical area within which mobile devices can maintain a stable connection with the base station.

What are the components of a base station?

Power Supply: The power source provides the electrical energy to base station elements. It often features auxiliary power supply mechanisms that guarantee operation in case of lost or interrupted electricity, during blackouts. Baseband Processor: The baseband processor is responsible for the processing of the digital signals.

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- IP67 waterproof housing for harsh outdoor environment - RTL8197DN + RTL8812AR + RTL8192ER + RTL8211E chipset - Dual band 2.4GHz / 5GHz, wireless speed is up to ...

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The base station's RF circuitry is housed in a small outdoor module known as a remote radio head (RRH) or remote radio unit (RRU). RRH performs all RF functions such as ...

As defined in international standard IEC 60529, it classifies the degrees of protection provided against the intrusion of solid objects (including body ...

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