

Base station outdoor installation





Overview

How do outdoor base stations work?

Outdoor base stations integrate all essential systems into a single Integrated Cabinet, designed to endure harsh conditions like direct sunlight, rain, and extreme temperatures. These units protect the equipment while ensuring efficient functionality. Towers are crucial for mounting antennas at high elevations, ensuring wide signal reach.

How do I set up a base station?

Set up the base station using either the tripod or T-bar mounting method. You must use an external radio antenna kit for the internal 450 MHz or 900 MHz radio. To avoid interference between the 900 MHz radio and GPRS transmissions, do not mount the external radio antenna within 1 m (3.3 ft) of the GSM antenna.

How should a base station antenna be installed?

The hardware installation guidelines are limited but important for reliable base station performance. The base station antenna should be installed in open sky conditions, away from external influences that hinder the direct line of sight between the antenna and the GNSS satellites.

Why are outdoor base stations important during power outages?

It becomes a top priority during power outages to maintain data flow. Outdoor base stations integrate all essential systems into a single Integrated Cabinet, designed to endure harsh conditions like direct sunlight, rain, and extreme temperatures. These units protect the equipment while ensuring efficient functionality.



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