

GSM Base Station Controller Server Unit

This is a GSM Base Station Controller (BSC) server unit used in telecommunications infrastructure. The rack-mounted configuration manages and controls multiple Base Transceiver Stations (BTS) in a GSM network.



Product Overview

Core Functionality

The GSM Base Station Controller (BSC) serves as a critical component of the Base Station Subsystem (BSS), acting as the bridge between the mobile station and the Mobile Switching Center (MSC). It is responsible for controlling Base Transceiver Stations (BTS), managing call processing, and handling operation and maintenance tasks. The system is designed for flexible deployment, allowing it to be integrated with existing infrastructure to optimize transmission distances.

Technical Capabilities

Key Functions

- Call processing
- Operation and maintenance
- BSS management
- MSC interfacing
- BTS control

Deployment & Scalability

Deployment Options	Standalone, BTS-integrated, Transcoder-integrated, MSC-integrated
Scalability	Expandable based on operator required traffic processing capacity