

Casa Systems Mobile Edge Computing HeNB Gateway



Overview

Casa System's Small Cell solution comprises key software elements and small cell designs that work seamlessly together to build complete and fully customizable small cell solutions, enabling service innovation and monetization for network operators. It brings best of breed technology and components together in a tightly integrated system that delivers superior performance and scale driving improved customer experience and operational performance.

Casa Systems' HeNodeB Gateway (ME HeNB-GW) runs on Casa's Mobile Edge Computing platform - a powerful platform that provides the aggregation of control and user plane capabilities necessary to manage large clusters of femto cells. The primary function of the ME HeNB-GW is to enable simple, seamless, highly secure access to subscribers as they roam between trusted networks and untrusted networks. The gateway also functions as an X2 and S1 Proxy Gateway.

Casa's ME HeNB-GW is one of the industries most dense aggregation platforms for Femto Cell Access Points (FAPs). Supporting hundreds of thousands HeNB's and millions of UEs per chassis, Casa has set the bar for performance and scalability.

Working in conjunction with Casa's MobileEdge Security Gateway (ME SeGW) platform, which brings industry leading security and performance, the ME HeNB-GW solution delivers a tightly integrated, powerful, and flexible solution that meets the demanding needs of todays mobile operators. For those operators who have deployed alternative HeNodeB gateways, Casa's flexible design allows for a smooth and simple integration with those devices, saving them time and money.



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Key Features

Some of the key features supported in the ME HeNB-GW include:

- Full integration with Casa's MobileEdge Security Gateway
- Interoperability with third party security gateways
- Compliance with 3GPP R11 standards on all interfaces including S1-MME, S1-U and X2
- S1-Flex high availability load balancing for networks with MME control plane resources pools
- Full idle and active mode mobility between macro and small cells and small cell to small cell
- Open, closed, and hybrid access mode
- Closed Subscriber Groups
- Home and enterprise deployments
- Intelligent paging
- Overload and congestion control
- Stream Control Transmission Protocol (SCTP) multi-homing
- Splits and grooms voice, video and data traffic



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