Adax EPC

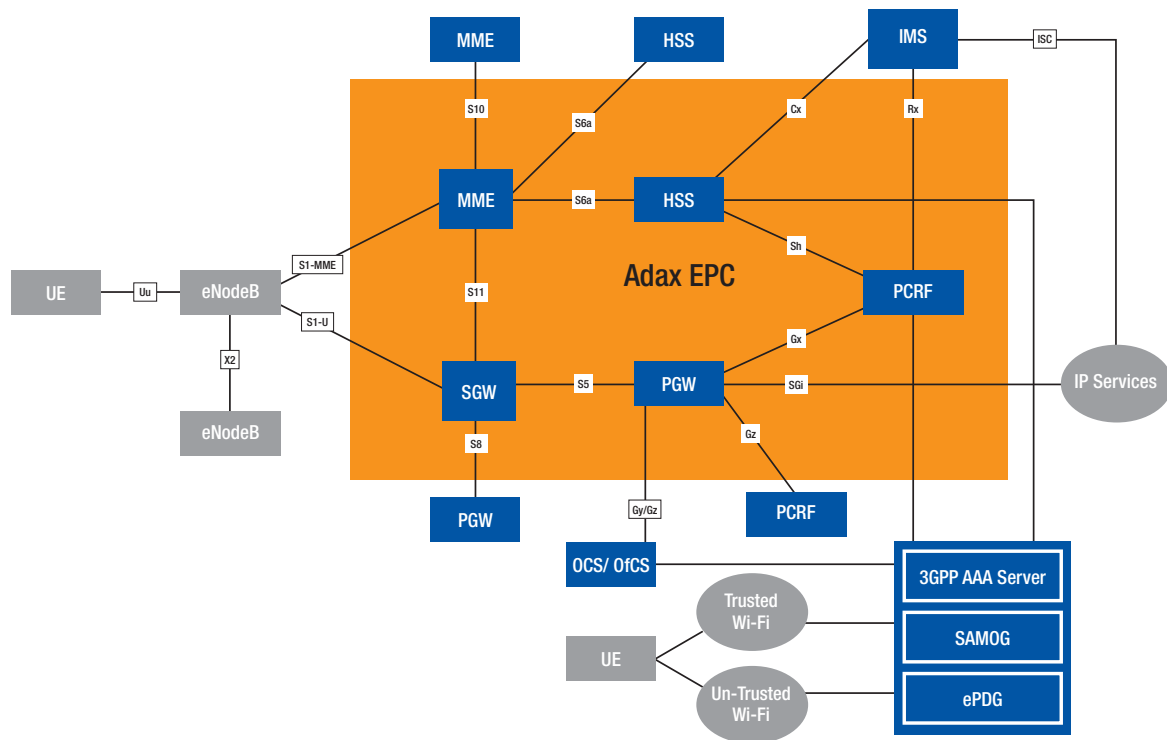## Integrated LTE Core Network Solution

AdaxEPC Features

- Compact Core Network in a box reduces the complexity of the network layout and presents an easy to manage device with CLI/SNMP/GUI/Web interfaces

- Integrated with 3rd party eNodeB, Small Cell base-stations and OCS/OfCS charging systems for a complete LTE eco-system

- SGW, PGW, MME, HSS and PCRF components can be deployed in any combination or separately.

- Low-footprint LTE Mobility Platform with ability to scale from 10-250,000 simultaneous attached subscribers (active + idle)

- Data throughput from 3-32 Gbps per blade, configuration dependant

- Industry leading Price-Performance ratio's

- Support for fixed, mobile and nomadic subscribers

- VirtualEPC (vEPC) for a flexible cloud based solution and increased performance

Introduction

The AdaxEPC provides a fully integrated, low-footprint, highly-scalable and cost-effective LTE mobility platform supporting up to 250,000 simultaneous subscribers with high data throughput.

The AdaxEPC is modular and consists of MME,SGW, PGW, HSS and PCRF components. A user-friendly Element Management System (EMS) can configure the components in any combination. Multiple SGW, PGW Data Planes can be supported for increased capacity, and load balancing across these multiple Data Planes can be supported from a single, centralised Control Plane.

AdaxEPC provides a complete core network solution for Rural, In-Building, and Small Cell Networks, and niche applications such as Public Safety Networks, M2M and IoT. Enabling faster, more efficient mobile broadband communications the AdaxEPC has the capability to deliver big benefits to both the operator and the users.

The Adax vEPC is a cloud based solution that separates the Control and Data Plane elements for even greater flexibility and higher performance.

AdaxEPC 'Network In A Box'

Fixed wireless LTE-EPC solution for internet, landline and mobile voice services, available in a high performance, compact, modular system. Scalable and competitively priced as a pay-as-you-grow solution.

Applications

- Rural Broadband
- Public Safety Networks
- Defense Communications
- Campus Networks
- MVNO/Wholesale Services

- In-building Networks
- Enterprise Networks
- Business Broadband
- WiMax Replacement
- Tier 2 Operators

Adax vEPC 'Network In The Cloud'

Modular and scalable LTE-EPC for distributed network control and virtualised network functions hosted in the cloud. With separated control and data planes for even greater flexibility and a higher performance. Ideal for hosted, multi-tenant solutions.

AdaxEPC Differentiators

- **Industry leading Price Performance** ratios

- **Multi-scenario deployment** – Support for Static/ Nomadic/ Mobile subscribers ranging from 10 to 250,000 in number

- **Optimized CapEx** – Complete EPC network components in a single appliance. Components can be enabled/disabled as per deployment needs. Data and Control Plane elements can be separated for maximum flexibility.

- **Platform Choice** – Can run on any Adax appliance or RMS running Linux OS thus providing a low-cost solution

- **Flexible Licensing** model based on number of Subscribers, eNodeBs/Small Cells and data throughput.

  - Allows for multiple combinations to serve varied subscriber ranges

  - Easily Scalable – Low upfront capital investment with easy upgrade options as the user base builds.

  - 'Software based upgrade' model – Use same hardware to support higher number of subscribers for pay as your grow.

- **Easy Interoperability** – Exposes open standard interfaces enabling quick interoperability with standards based peer vendor nodes and base stations.

- **Broad Interface Support** – Support for S1, S6a, Gz, Gx, Gy, S5/S8, S10, S11 interfaces based on 3GPP R10 specifications with backward compatibility to R8/R9 peer nodes

- **Easy Manageability** – Compact core network solution reduces the complexity of the network layout and presents an easy to manage device with CLI/SNMP/GUI/Web interfaces.

- Available as a **complete white label offering** for OEMs and System Integrators.

Platform Options

See separate datasheets for full specifications

- 1U Application Ready Platform
- 2U Application Ready Platform
- APR2c and APR2i ATCA blades
- Pkt2-PCIe card for RMS

EPC 0316/04

Adax is an industry leader in high performance packet processing, security and network infrastructure for Legacy to LTE networks. Modular, scalable and flexible, the Adax LTE-EPC solutions, SIGTRAN and SS7 Signaling platforms, as well as the DPI, IPsec Security, and GTP acceleration products enable customers to build the solutions they need, creating a smarter network infrastructure for all.

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