



Reduce 3G Femto development cost and time-to-market by over 50% with Aricent's Femto Solutions

Accelerate 3G Femto Development with Aricent IuH Stack Components and Integrated Frameworks

Challenges

Manufacturers (both OEMs and ODMs) are looking for ways to substantially reduce their upfront cost exposure, and to reduce the time-to-market of their Femto solutions in order to gain a competitive advantage.

Solution

Aricent offers OEMs/ODMs developing Femtocell and Femto Gateway solutions, platform agnostic, mature, and performance optimized 3G femto (IuH) components and pre-integrated frameworks compliant with the latest specifications.

Benefits

Aricent's IuH solutions help reduce R&D expenses by over 50% while accelerating test cycle times and significantly improving test effectiveness.

- The new IuH components added to Aricent's Femto suite are being used by major OEMs to build their Femto solutions
- Aricent provides functionality as per the latest standards, and its Femto program has a strong roadmap commitment
- Aricent offers complementary professional services to help OEMs realize deployment ready solutions

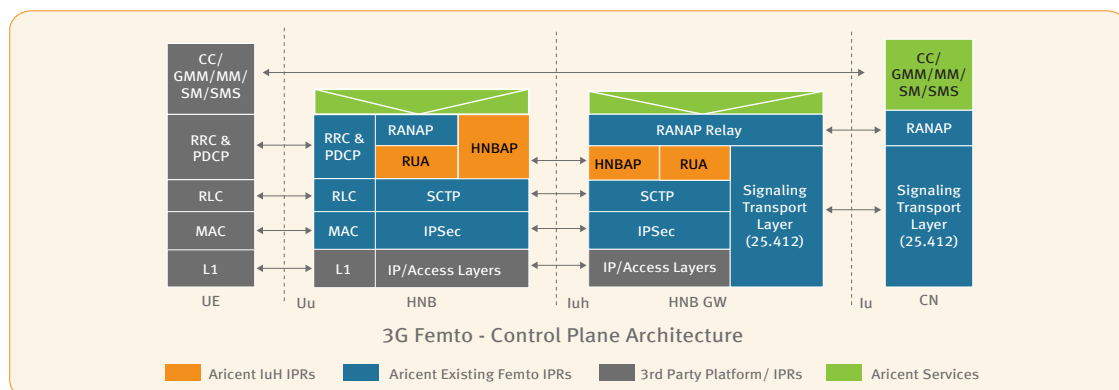
Overview

With an increase in data traffic over 3G networks, the popularity of Femtocells has grown rapidly in recent years. 3GPP has adopted an official Femtocell architecture with a new interface between the Home Node B (HNB) and Home Node B Gateway (HNB-GW) called Iu-Home or IuH.

As OEMs create products based on this new Femtocell architecture, they are looking for mature and well-tested component enablers which will de-risk the development cost and interoperability issues, and bring a time to market advantage to their investment.

Aricent's IuH Femtocell Solution

Aricent offers standards compliant IuH protocol stack offerings which ensure an easy fitment over Aricent's Femto suite of products and help equipment manufacturers create feature-rich Femtocell solutions compliant with the latest architecture defined by 3GPP.



Key Features

Feature	HNBAP Stack	RUA Stack
Nodes Supported	Home NodeB (HNB) and Home NodeB Gateway (HNBGW)	
Functionality Supported	HNB registration, User Equipment (UE) registration, Error indication, ASN.1 encode/decode, Private messages for vendor-specific use	Transfer/Relay of RANAP messages, Error handling, ASN.1 Encode/Decode, , Private messages for vendor-specific use
HNB Procedures	HNB Registration/De-registration, UE Registration/De-registration, Error Indication, Admission Control	Connect, Direct Transfer, Disconnect, Connectionless Transfer, Error Indication
Scalability	50,000 HNB connections and 250,000 subscriber connections on HNBGW	
Compliance	3GPP 25.469v8.2	3GPP 25.468v8.1
API Features	'C' API-based management interface, multiple debug trace levels, error levels, and statistics reporting	

Product Lifecycle Services

Aricent's Femtocell products are delivered with tailored combinations of our Lifecycle Services which include Global Innovation and Design, Product Development, Testing and Certification, Sustainance and Support. Aricent's engineers and consultants have successfully completed multiple engagements on Femtocells, including the delivery of the industry's first commercial Femtocell solution. Aricent's flexible engagement models and global delivery models ensure cost and time efficiencies, quick ramp up, and on-time and high quality product delivery.

Key Benefits

Complete Femtocell and Femto-gateway portfolio: A complete Femtocell portfolio from Aricent, including integrated frameworks and individual protocol stacks, provides OEMs with a one-stop shop for all Femtocell needs and ensures optimized performance and guaranteed interoperability.

Accelerated Time to Market: Aricent Protocol IuH stacks usage can help reduce the time-to-market for the IuH upgrade of existing Femto products by 50%. Utilizing Aricent's complete Femto suite for new developments can help OEMs reduce the time-to-market by 70%.

Minimized Memory Footprint: The small memory footprint required by Aricent's frameworks and protocol stacks ensures optimized performance for Femto applications and provides ample scope to introduce differentiated features.

Support for Multiple Hardware Platforms: Support for multiple hardware platforms, including Little/Big Endian and 32/64 bit support, provides OEMs with the flexibility to choose the hardware platform most suited for their Femtocell solution.

Next Steps

To learn more about Aricent's Femtocell solutions, contact your sales representative. You can also find more information at www.aricent.com/femtocell.

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