



FULL-ON 4G

Network Evolution

Mobile Network Evolution

You're under tremendous pressure to introduce new, competitive broadband services, improve user experience, increase ARPU, and lower network costs. What do you do?



FULL-ON 4G

**It's all about the user experience.
Any content, anytime, anywhere. And very fast.**

At Harris Stratex Networks, we can design, deliver and deploy a fully managed network solution to support high-performance, energy-efficient and secure 4G broadband mobility services, anywhere in the world.

Evolving your network to 4G

WiMAX provides a relatively simple solution to introduce new advanced fixed and mobile converged services to your existing mobile network, and it's available now.

So why wait? You can introduce tomorrow's broadband services today and take an important incremental step towards 4G.



Harris Stratex Networks has long been a global leader in wireless transport solutions for mobile networks, and now we have teamed up with the best players in the industry to bring a complete end-to-end, next generation network solution

We have everything you need, including Core Wireless Service elements, IP wireless backhaul,

base stations, subscriber stations, and a single NMS platform to manage it all.

Our expert engineers bring unparalleled field experience to help you tackle the toughest and most complex design and deployment challenges. We can even help you with your business plan and financing.

Harris Stratex's 4G

4G networks will evolve continually as new equipment, such as independent ASN routers are integrated into existing networks.

ACCESS NETWORK

Harris Stratex Networks has selected a best-in-class combination of WiMAX products to support the access network for your 4G network.

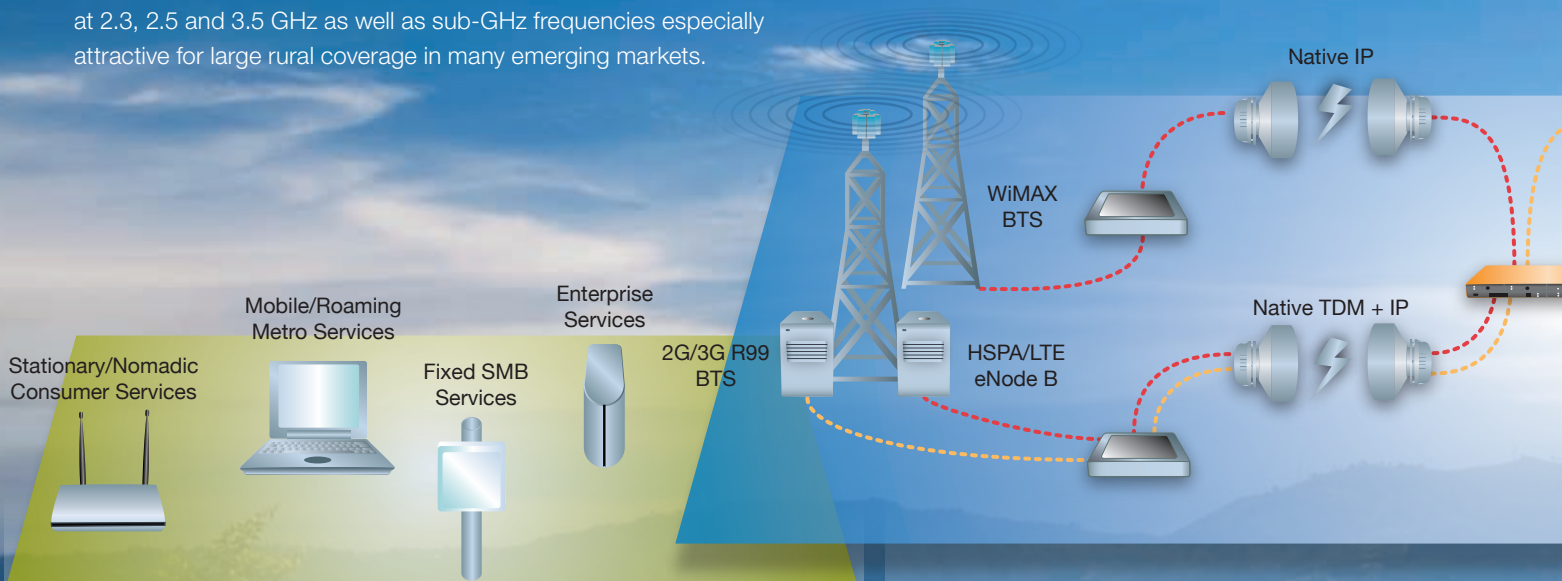
WiMAX technology is the most readily available wireless access technology today. It provides an immediate and cost-effective solution for operators to deploy broadband "DSL-like" services to areas poorly served, or not served at all by existing and traditional broadband infrastructures.

Mobile operators in Africa, Asia and Latin America can jump-start their 4G networks with Harris Stratex 802.16e base stations operating at 2.3, 2.5 and 3.5 GHz as well as sub-GHz frequencies especially attractive for large rural coverage in many emerging markets.

ALL-IP WIRELESS

A 4G all-IP network design eliminates many of the complexities of multiple technologies operating within the same network. More significantly, an all-IP network can deliver huge improvements in network capacity and lower system latency needed for 4G multi-media and speed requirements.

Harris Stratex 4G wireless backhaul solution is optimized for packet-based, high-capacity transport with a unique packet-switched and nodal architecture.



- 802.16e fixed, nomadic and mobile services available today
- Only open standard technology available – support all-IP access for 4G ecosystem
- Harris Stratex Global Network Services can provide expertise to design and dimension a complete network, including RF coverage, traffic engineering and ASN/CSN integration

- All-IP backhaul links support native Gigabit Ethernet or Fast Ethernet connections, with or without TDM companion traffic for mixed mode requirement.
- Advanced antenna and RF configurations support carrier-grade network reliability

End-to-End Network

technologies, such as LTE, and networking and controllers, become readily available to be 2G/3G mobile networks.

ACCESS BACKHAUL

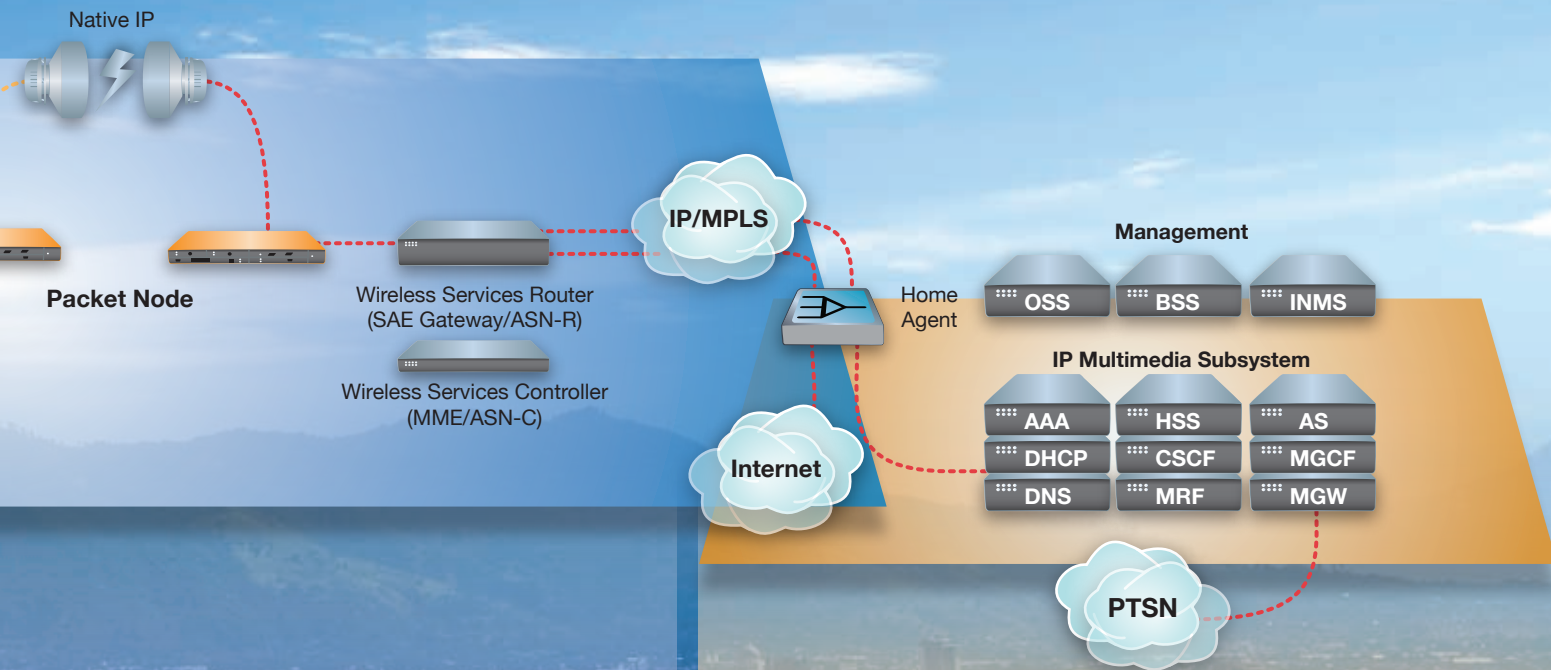
Key advancements in the Gigabit Ethernet interface design, advanced modulation algorithms and innovative implementations of packet processing can dramatically upgrade the backhaul capacity and reliability.

These market-leading capabilities solidify the all-IP standard for the Harris Stratex 4G network structure connecting the access networks to the core network.

CORE NETWORK

The core network provides the carrier-grade common services delivery platform for the Harris Stratex 4G network solution. This best-in-class solution is the aggregation point for all subscriber traffic by providing IP connectivity services to subscribers for access to the Internet, PSTN or corporate VPN.

For the network operators, Harris Stratex also provides an open industry, standards-based Network Management System deployed over the entire network structure. This is a scalable and easy-to-deploy approach that supports 4G deployment as a 2G/3G overlay or Greenfield deployment.



- Traffic Aggregation and Bandwidth Optimization can dramatically increase capacities for new 4G services.
- Nodal and link terminal options promote high capacity with minimal CapEx

- Service Assurance – Integrated Network Management System (INMS): FCAPS functional model is fully supported
- Strong security – including AAA and using authentication credentials through RADIUS
- Network operations center (NOC) - services for remote management control

Complete End-to-End 4G Network Services

Harris Stratex Global Network Services is the expertise that combines the theoretical with the practical to deliver the foundation and structure supporting your 4G network evolution.

Our customers can benefit from expert design, professional deployment and integration followed with world-class support, training, management and network optimization to deliver their toughest 4G mobile network requirements.

DESIGN + PLANNING SERVICES

Service capabilities required to define and design a network, including detailed engineering of the implementation

INTEGRATION + DEPLOYMENT SERVICES

Service focused on the construction, deployment and commissioning phases of a network

MANAGEMENT + SERVICE ASSURANCE SERVICES

Network Management and Service Assurance offerings that address the TMN FCAPS functional model

SUPPORTED MAINTENANCE SERVICES

Operational support for maintaining day-to-day uptime and highest operational efficiencies

TRAINING + PREPARATION SERVICES

Building the expertise needed to support the ongoing operations and future evolution of your advanced telecommunication network



Global Network Services

Experience Where It Counts

Taking an Evolutionary Approach to 4G

WiMAX Today

At Harris Stratex Networks, we see using WiMAX as a stepping stone to an eventual 4G mobile broadband solution, whether this is LTE or another technology such as an evolved WiMAX standard.

We see that overlaying WiMAX on an existing mobile network can help operators enable incremental revenue growth from existing subscribers, generate new revenue streams from additional broadband subscribers, and to prepare for the future challenges that they will face with the implementation and migration to LTE.

WiMAX and LTE share many key technologies, such as air interface, smart antennas, all-IP Radio Access Network, and common core network elements. The investment in these technologies and the experience gain in their deployment and operation lays the foundation for a network that can be eventually evolved to LTE.

Adding Next Generation Broadband Services

Today WiMAX provides a very effective way to deploy cost-effective 'DSL-like' broadband services to populations not well served by traditional fixed broadband networks.

Like most wireless technologies, WiMAX can be quickly deployed where no other telecom networks exist, and in many cases mobile operators can leverage their existing national network infrastructure to add new broadband services quickly and cost-effectively.

Converged Services Solution

Harris Stratex Networks now brings together a complete, integrated end-to-end solution with best-of-breed technology from industry-leading vendors, to deliver a converged services architecture providing both familiar fixed/mobile and new emerging broadband services to be offered over a single access network.

Our extensive experience and ability to design, integrate, deliver and deploy complete engineered network solutions under the toughest and remote conditions will ensure that operators can deliver the very best quality of experience to their customers.



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