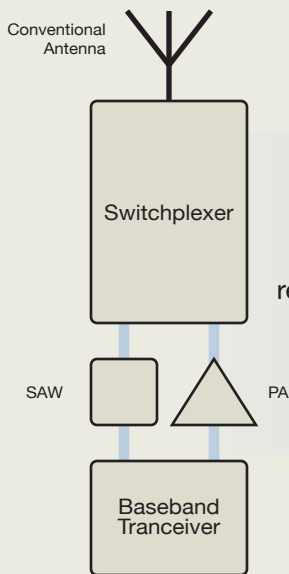


Ultra Low Cost Handset Solution

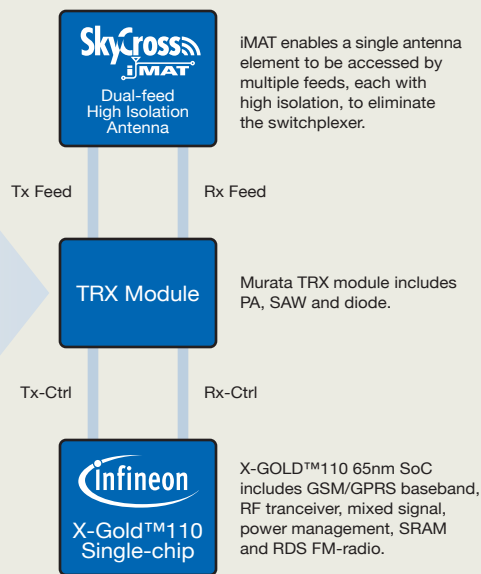
Infineon and SkyCross Redefine Mobile Phone Architecture to Lower Cost

More than 3.5 billion “unconnected” people live within mobile network coverage areas. Our vision is to provide voice-for-all with an affordable handset that offers an intuitive user interface and long standby time. The Infineon XMM™1100 platform, based on the X-GOLD™110 single-chip, and SkyCross dual-feed iMAT antennas enable an innovative phone architecture that lowers the cost of ownership to make voice-for-all possible.

Conventional Architecture



Simplified, Low-cost Architecture



Architecture reduced to just three parts



This innovative mobile phone architecture offers:

Lower cost of ownership

Simplified integration

Reduced size of architecture

Improved performance

The benefits of the new handset architecture from Infineon and SkyCross result from consolidating components. Handset manufacturers can entirely eliminate the switchplexer by pairing the highly integrated single-chip Infineon solution with a SkyCross dual-feed iMAT antenna. This innovation bundles superior technologies, development tools, and customer support specifically designed for high volume production.

Design Freedom Delivered iMAT dual-feed antenna



Award-winning iMAT (isolated mode antenna technology) enables a single antenna structure to behave like multiple antennas through the use of multiple feed points. Each feed accesses the antenna as if it consisted of multiple antennas, each with high isolation, low correlation, and high per-feed antenna efficiency.

By using iMAT antennas in the ULC handset architecture, device designers can eliminate the switchplexer to save cost, space, and integration time. SkyCross designs iMAT antennas with high volume production in mind so the parts do not require any special materials or manufacturing techniques.

iMAT continues to demonstrate benefits across a wide range of products including handsets, PC cards, USB dongles, access points, routers, and more. This use of the versatile technology represents yet another wave of new possibilities.

X-Gold™110 Ultra-Low Cost GSM/GPRS Single-Chip for Voice, SMS and basic Multimedia



Never stop thinking

The X-Gold™110 brings the Infineon GSM single-chip ULC family to the next level of integration based on a 65nm technology node. X-Gold™110 is an ideal solution for ULC music phones supporting key features such as color displays, MP3 playback, integrated FM-RDS radio and USB charging. The X-Gold™110 ensures best-in-class RF performance, highest voice quality,

small form factor, and an unsurpassed low bill-of-material thereby creating highest customer value and differentiation in the market.

Infineon will provide the X-Gold™110 as part of the XMM™1100 platform solution, which encompasses a comprehensive suite of development tools and support so customers can enjoy the shortest time-to-market.

Contact SkyCross or Infineon to find out how to take advantage of the innovative ultra low cost handset solution in your next design.

www.skycross.com | www.infineon.com

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Information | For further information on technology, delivery terms and conditions, and prices, please contact the nearest SkyCross, Inc. or Infineon Technologies offices.

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