

Extreme Performance:

- Best in class data rates
- LTE, LTE Advanced: TDD +FDD
 - 2x2 MIMO. Extendable to 4x4 MIMO
 - DL: Upto 400 Mbps
 - UL: Upto 150 Mbps
 - GNSS based synchronization
- WCDMA: FDD
 - HSDPA: 42 Mbps, MIMO
 - HSUPA: 11 Mbps, 4PAM
- Simultaneous LTE + WCDMA operation

Power Packed:

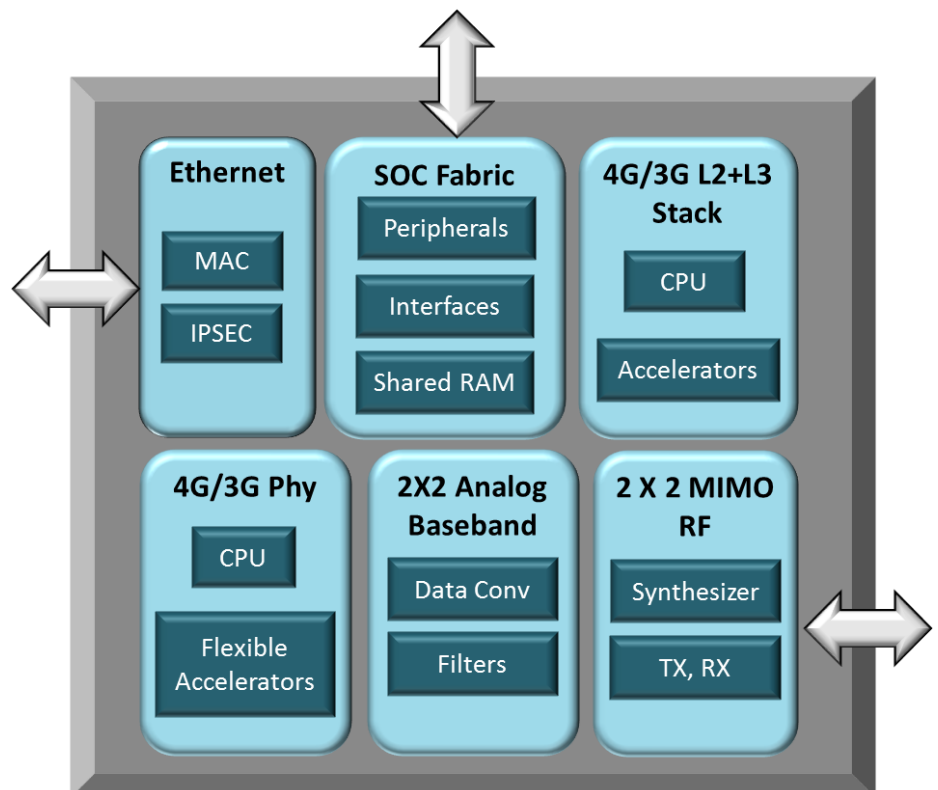
- HighPHY : Power packed and flexible innovative physical layer
- Multicarrier and MIMO capable baseband
- L2 acceleration for high speed operation
- Optimal high performance analog/RF
- Support for advanced features like SON

Unparalleled Integration

- Extensive list of peripherals
- Powerful multi core processor
- Integrated power amplifier for femto basestations

SCBM3412 is a highly integrated, high performance and cost effective System on Chip for 4G/3G femto/small cells. It is a true SoC integrating all the functionalities from “Packets to Antenna” within a single device providing unmatched cost to performance ratios at extremely low bill of materials for the system.

SCBM3412 integrates a flexible multi-standard modem based on Signalchip’s innovative physical layer HighPHY, powerful quad core MIPS Interaptiv processor, backhaul and air interface security subsystems augmented by Signalchip’s Averta network processor, the GNSS processing engine, system peripherals and an extremely optimal multicarrier/MIMO analog–RF frontend.



SCBM3412 Chip at a Glance

Signalchip Innovations Pvt. Ltd.

4C-116, 4th Cross, OMBR Layout,
Banaswadi, Bengaluru-560043,
India

T: 91-80-41140123

contact@signalchip.com

www.signalchip.com