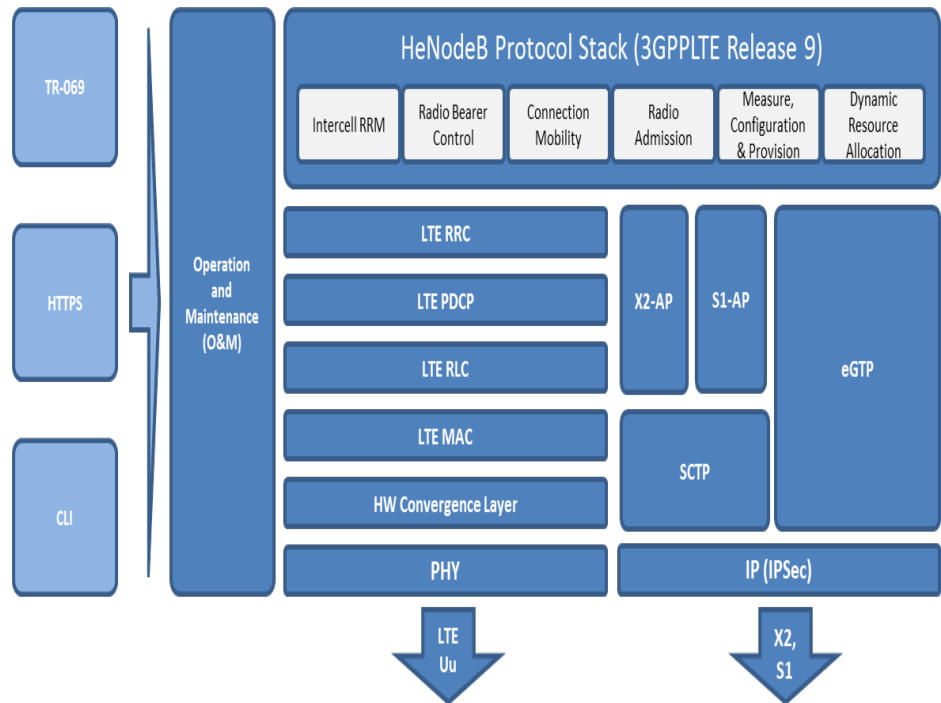


**FXLYNX
TECHNOLOGIES LTD**

- **Complete LTE Protocol Stack, portable to almost any Hardware Platform and embedded Linux operating system.**
- **3GPP Releases 9 and SON feature of 3GPP Releases 10**
- **Pre-integrated with the Octasic platforms**
- **Developed in ANSI C language**
- **Completely Independent Layer3 & Layer2 Stack**
- **Optimized for low memory, processing power, and power consumption**



Fxlynx Technologies FXL4GeNB HeNodeB software protocol stack is integrated and tested with the latest family of Octasic chipsets. It runs on embedded Linux platform with real time kernel to support real time scheduling. It can be easily integrated with any chipset vendor.

It supports TR069/HTTPS/CLI interface to configure all layers of the eNodeB as well as KPI reports to measure the performance of eNodeB.

The FXL4GeNB has two independent processes for Layer3 & Layer2. Layer3 process includes RRM, RRC, S1AP, X2AP & GTP Layer. The Layer2 process includes PDCP, RLC, MAC & Convergence Layer.

This product uses a proprietary memory management library to optimize the memory allocation calls and increasing the overall throughput of the system. The complete protocol stack is written in ANSI C for easy portability.

KEY FEATURES

- 3GPP FDD & TDD Release 9
- S1AP Compliant with 3GPP Rel.9, Rel.10, Rel.11
- X2AP Compliant with 3GPP Rel.9, Rel.10, Rel.11, Rel.12
- RRC Compliant with 3GPP Rel.9, Rel.10, Rel.11
- Hierarchical Cell Support
- S1 Flex
- Hybrid SON Functions
- CSFB to UMTS/GSM, VoLTE, ViLTE Support
- 4 User/TTI
- 32 Users Per Channel
- Channelization Bandwidths of 5MHz, 10MHz, 15 MHz & 20 MHz
- Throughput Data rate of 30/12Mbps in DL/UL
- DCI formats 0, 1, 1A, 2, 2A, 3, 3A supported
- Support of QCIs 1-9 & Operator Specific QCI
- Long & Short DRX support for UE
- Round Robin Scheduler, Proportional Fair Scheduler, Semi Persistent Scheduler for VOIP, Frequency Selective Scheduler & QoS aware scheduler based on QCIs
- Support of Snow3G & AES Security Algorithm (Ciphering & Integrity)
- Frequency Hopping
- Static & Dynamic Inter Cell Interference Coordination (ICIC) in DL & UL
- QPSK, 16QAM and 64QAM modulation in Downlink & QPSK, 16QAM modulation in Uplink
- Configuration Management, Fault Management & Performance Management
- Intra LTE (S1AP & X2AP), Inter Frequency, Inter RAT (PS & CS) Handover

SUPPORTED HARDWARE

- Octasic Inc CTBTS3000, 3500, 8500, 9100 and 5000