

CARRIER & MISSION CRITICAL GRADE QUALITY

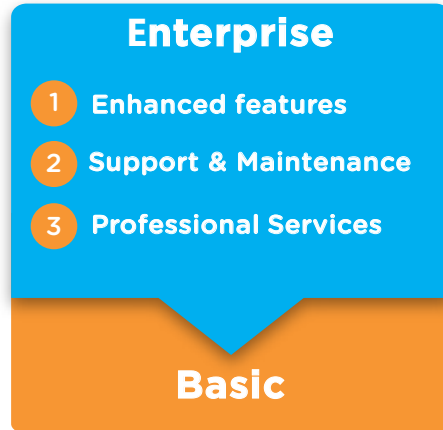
We insist on SW development standards and practices from the safety-critical industries in order to ensure our products deliver “five nine’s” reliability out of the box.

BEST IN CLASS MANAGEABILITY

We understand the increasing demands for realtime insight into network performance and end user experience. We have engineered an open and flexible management platform designed to enable easy integration with standards-based or proprietary OSS, orchestration and SON systems.

FLEXIBILITY FOR RAN & V-RAN DEPLOYMENT

We have architected our solutions from the beginning with hardware platform and architecture independence in mind. The same software solution can be deployed from fully embedded RAN architecture to disaggregated and virtualised V-RAN. Accelleran software solutions were 2018 Small Cell Forum Award winner in the category “Outstanding innovation in small cell technology or architecture”.



Accelleran L3

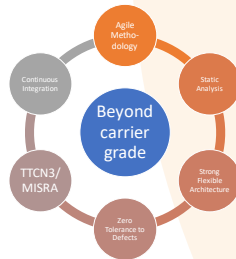


PRODUCT DESCRIPTION

Accelleran Software Solutions and Services for LTE OpenCellular provide a turnkey Small Cell solution offering to enable advanced carrier-grade and future proof architecture agnostic networks.

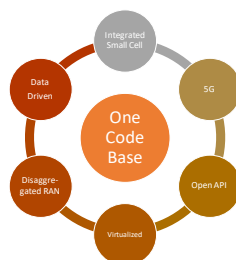
Accelleran’s excellence in execution delivers beyond carrier grade solutions:

- Agile Methodology
- Continuous integration
- MISRA/TTCN3
- Zero-tolerance to defects
- Strong flexible architecture
- Static analysis



Accelleran’s future proof architecture is based on a single code base supporting:

- Integrated small cell
- Data driven architecture
- Disaggregated RAN
- Virtualisation
- Open APIs
- 5G-Ready components



LTE OC Basic platform is based on robust carrier grade Cavium L1/L2 on Octeon Fusion SoC. **Accelleran Enterprise offering** is a pre-integrated carrier grade L3 control plane software with functional LTE enhancements and higher layer expansions on OAM, SON and SAS components.

Accelleran Software Enhancements

Accelleran SCF Award winning Software Solutions deliver carrier-grade and architecture-agnostic advanced software features and functionality pre-integrated on Cavium based OpenCellular platforms. Accelleran delivers functional enhancements such as **VoLTE, Embedded EPC, Slicing, Neutral Host, Virtualisation and Disaggregation**. The extensions on OAM/SON/SAS enables unparalleled **flexibility, manageability** and **plug and play** experience operators seek (**TR-069, SNMP, Kuha OSS, Web-GUI,...**).

Support and Maintenance

Accelleran provides Standard and Advanced support SLAs and evolutive maintenance to update your network to further advanced features and enable the evolution to 5G-Ready deployments via vRAN, slicing, MEC and Neutral Host technologies.

Professional Services

Accelleran’s team experience in delivering and integrating turnkey Small Cell solutions can help you with the Integration, Custom Development, Testing and End-to-end Solution delivery of your small cell network projects.

The Accelleran Advanced Software and Services on OpenCellular Platforms

ABOUT ACCELLERAN

The Accelleran team has been a recognized leader in the small cell industry for more than ten years. With an average experience of 20+ years each, the team offers unrivalled expertise across the full range of skillsets required for success in the challenging RAN solution market.

This pre-integrated Accelleran software solution in LTE OC is the result of the combination of Accelleran's expertise in carrier-grade RAN and V-RAN software solutions with the leading Cavium-based OpenCellular platform developments done within the Telecom Infra Project. Accelleran software solutions and services for OpenCellular LTE platforms deliver an exceptional combination of features, performance and reliability to the market.



Deploy Accelleran Carrier-grade Architecture-agnostic Small Cell Software Solutions pre-integrated on the OC LTE platforms to deliver cost effective and flexible Small Cell deployments to enhance your network capacity and/or coverage. Deploy small cell networks today that can easily support from Network-in-a-Box or traditional fully embedded eNB architectures to 5G-Ready ones via vRAN, slicing, MEC and Neutral Host technologies.

Accelleran on LTE OpenCellular Technical Specification

Single Cell LTE FDD Medium Range Small Cells	
Transceiver Specification	Band Support
<ul style="list-style-type: none"> • 2 x 2 MIMO • Medium Range Basestation Class • 30dBm/1W RF power per antenna port • 1 transceiver per unit (single cell) 	<ul style="list-style-type: none"> • LTE FDD B3, B5, B28
Network Interfaces	
Layer 1 & 2	Layer 3 and OAM
<ul style="list-style-type: none"> • 2 Ethernet RJ45 • IPv4/IPv6 	<ul style="list-style-type: none"> • S1 or SGi (optional embedded EPC) • OAM WebGUI, Kuha OSS, TR-069, SNMP, CLI • Field-proven leading SON • Shared Access SAS (for CBRS HW platforms)
LTE Feature Support	
<ul style="list-style-type: none"> • 3GPP Release 9 • Up to 64 active users • LTE FDD • Integrated GNSS • Cell Selection/Re-selection • Radio Bearer Control • Admission Control / Scheduler & Rate Control 	<ul style="list-style-type: none"> • Handover • MultiBearer / VoLTE • Optional Embedded EPC (Network-in-a-box) • Optional Neutral Host (MOCN, GWCN) • Optional Slicing • Optional vRAN Split Architecture • OAM (CM, PM, FM, Diagnostics) & SON
Security	
<ul style="list-style-type: none"> • 3GPP standard LTE air interface security • IPSec AES encrypted tunnels on all network connections 	<ul style="list-style-type: none"> • Trusted Platform technology embedded in silicon • Per Device PKI key pairs • Secure Boot through digital signatures of all executables
Power	
<ul style="list-style-type: none"> • DC/PoE++ (24 VDC) 	<ul style="list-style-type: none"> • <55W (Max Tx power, full data traffic)
Physical	Environmental
<ul style="list-style-type: none"> • Dimensions: 440 x 223 x 188mm (18 litres, exc. antenna) • Ingress Protection: IP65 	<ul style="list-style-type: none"> • Weight : 9 Kgs (unit) + 3.6 Kgs (mounting kit) • Temperature: -40 to +55 °C (operating)

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