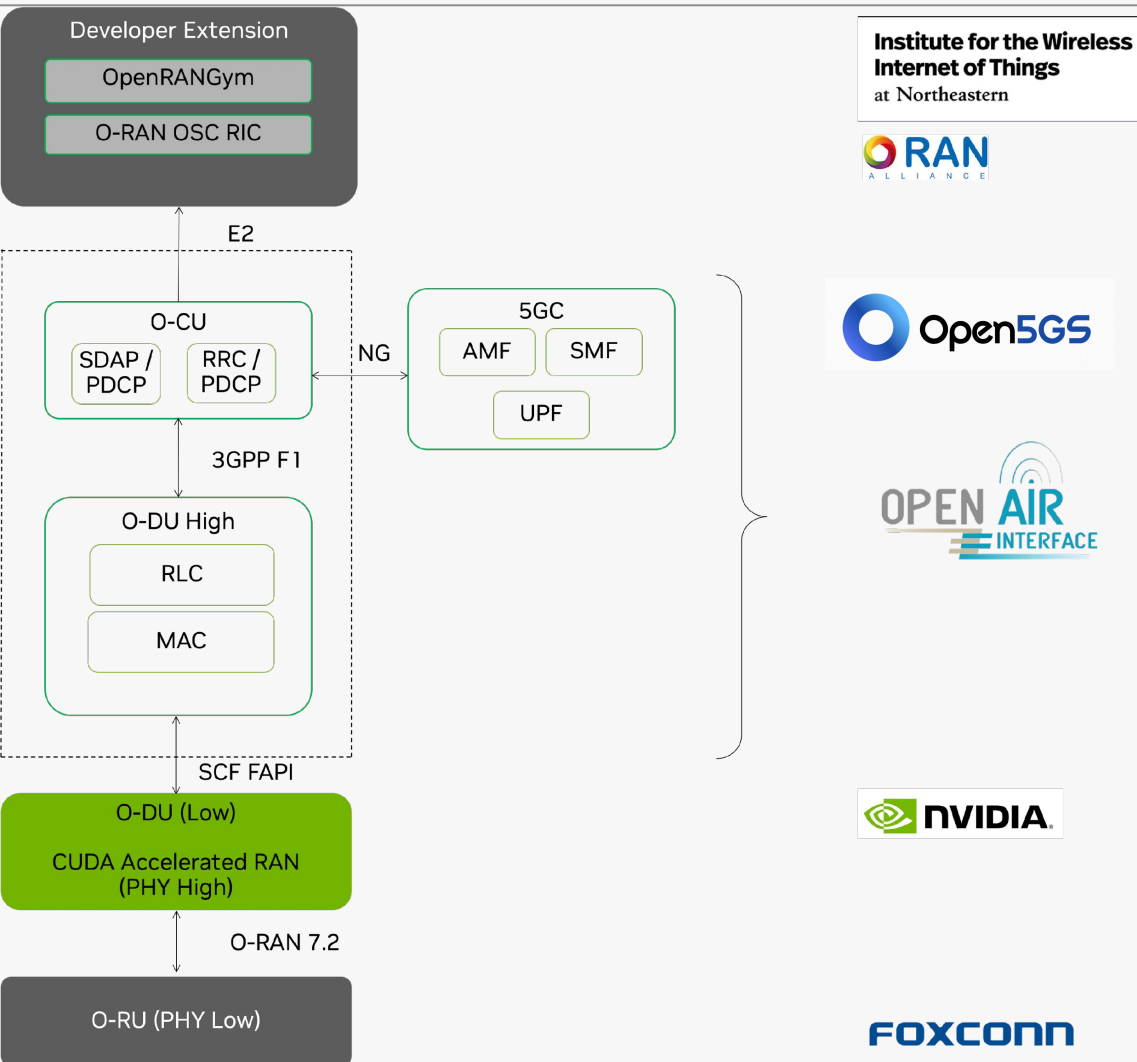


# Aerial RAN CoLab – OTA Multi Vendor Disaggregation Blueprint

NVIDIA ARC-OTA developer plugin Multi Vendor Interop with a modular element change blueprint



- Leveraging O-RAN, and 3GPP specifications and interfaces enables multi-vendor interop towards the full stack building blocks and developer extensions and plugins. A multi-vendor reference blueprint is extended with the SCF FAPI interface between the O-DU low and O-DU high.
- **Northeastern** developer extension with E2 interface plugin leveraging O-RAN OSC RIC and template xApps
- **Northeastern** plugin to leverage <https://open5gs.org/> for 5GC instead of NVIDIA reference Open Air Interface 5GC. This highlights the use of modular, open, and interoperable components within disaggregated ORAN architecture
- **OpenAirAlliance** O-DU-High (Layer 2), O-CU and 5GC
- **Nvidia** O-DU Low / Phy High
- **Foxconn** O-RU Phy Low
- **Others** Handsets (Apple iPhone 14, Samsung S23), Viavi Qualsar Grandmaster, Dell FH switch, Supermicro server.

OnePlus Nord

Apple iPhone 14

