

Customizable SoC for UE and Software Defined Radio gNB for Next generation 5G/6G.

Successfully developed an “ultra-compact” software-defined radio (SDR) board supporting next-generation communication standards.

Accelerates solving social issues, exploring latent needs, and creating value through demonstrations using 5G/B5G communication equipment.

Ultra-compact Software Defined Radio Board in Private 5G Box

M.2 SDR Board
80 × 22 × 5 mm



Palm-sized Private 5G Box
107 × 107 × 55 mm



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Features:

- ultra-compact: Compatible with M.2 standard
- Flexibly add network functions through software
- Confirmed to work as a 5G base station

Ready-to-Use, Compact, Low-Power, High-Performance Private 5G System “HYPERNOVA”

Key Highlights

- Ultra-Compact & All-in-One Design
 - RU/DU/CU/Core integrated
- Low Power Consumption – Only 150W
- High-Speed Uplink – Over 700 Mbps
- User-Friendly – Web-Based Operation
- Scalable
 - Supports 500+ Simultaneous UE Connections



- Size: (W)135 x (H)189 x (D)357 mm
- Weight: 6 kg

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SSIC will showcase the demo board "ASUKA Board." The ASUKA Board provides a customizable development environment using the baseband SoC "ASUKA" for IoT user equipment (UE) to promote the spread of IoT UE in the Beyond 5G (6G) era.

