

STL

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Garuda

Be 5G connected wherever you are!



Garuda, an ORAN 7.2x split Indoor small cell which can truly enable 5G for every corner of residences, enterprises etc. STL has indigenously designed and developed this radio to complement the network capacity, density and coverage of macro networks seamlessly.

This Indoor small cell is a single board Optical to Radio interface solution for 5G low power pico cell applications. With inbuilt low physical layer functionality, small form factor, four-channel MIMO support & an integrated Omni antenna, this small cell can cater to the ever-growing demand of high speed data networks. This solution will further help in offloading macro sites in a cost effective manner.

Here are the **top 5 salient features of Garuda**, which makes it ideal for **5G indoor coverage**:



Open Interfaces

Fully compliant with ORAN alliance specifications to bring true vendor neutrality aspect



Energy Efficient

Best in class energy efficiency, helping telco's and Enterprises with lower electricity consumption



Ease of Deployment

Supports both power source DC and PoE++



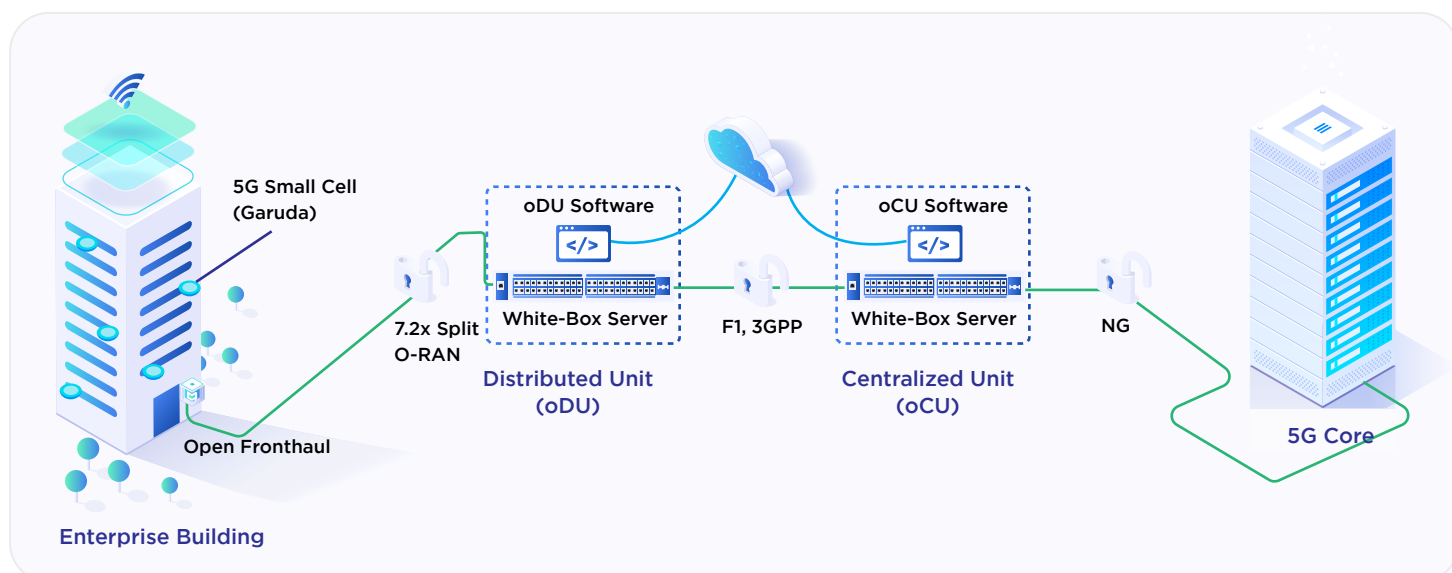
Indigenously Designed and Manufactured in India for the World

GARUDA is first Indian O-RAN compliant 5G small cell radio developed for the world



Plug and Play Solution

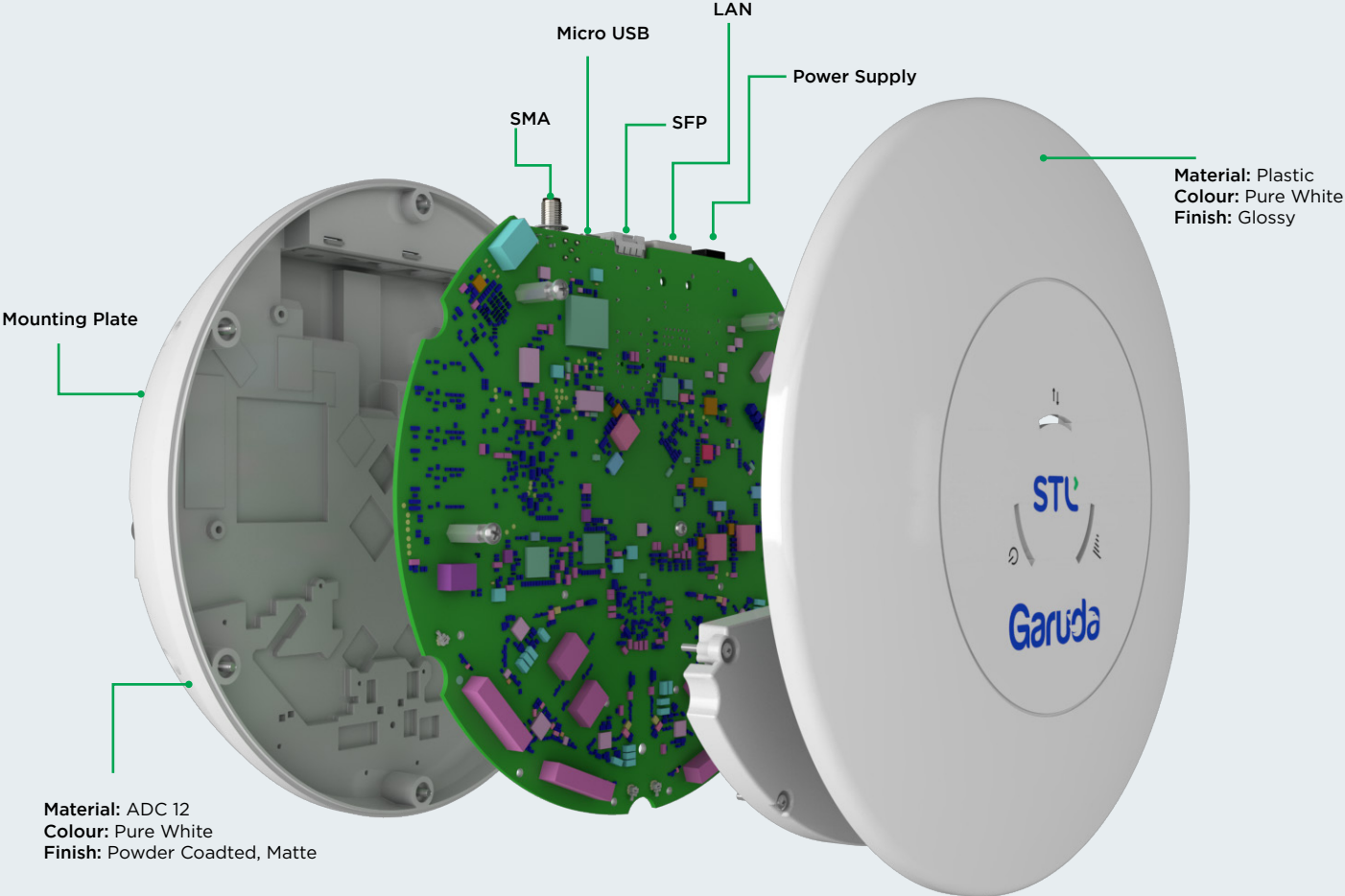
Can be installed easily with auto-configuration



Key Specification

Deployment Type	Indoor RU
Radio Configuration	1 CC , 100 MHz, 4Tx4R, n78
IBW/OBW	100MHz/100MHz
Mode	Single Numerology, SCS 30KHz
Antenna	Omni-directional
Fronthaul	10G over SFP+
PoE++ and 1G Ethernet for Management via RJ45	
Power	4x250mW
o-RAN Split	7-2x
Antenna Gain Range	6-9dBi
Amplification of RF transmit signal	
Transmit/Receive RF signal from Antenna	

Garuda Schematic





beyond tomorrow

About Sterlite Technologies Ltd (STL) STL is a global leader in end-to-end data network solutions.

We design and deploy high-capacity converged fibre and wireless networks. With expertise ranging from optical fibre and cables, hyper-scale network design, deployment and network software, we are the industry's leading integrated solutions provider for global data networks. We partner with global telecom companies, cloud companies, citizen networks and large enterprises to design, build and manage such cloud-native software-defined networks.

STL has innovation at its core. With intense focus on end-to-end network solutions development, we conduct fundamental research in next-generation network applications at our Centres of Excellence. STL has strong global presence with next-gen optical preform, fibre and cable manufacturing facilities in India, Italy, China and Brazil and two software-development centres.

For more on STL, visit : www.stl.tech