

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++



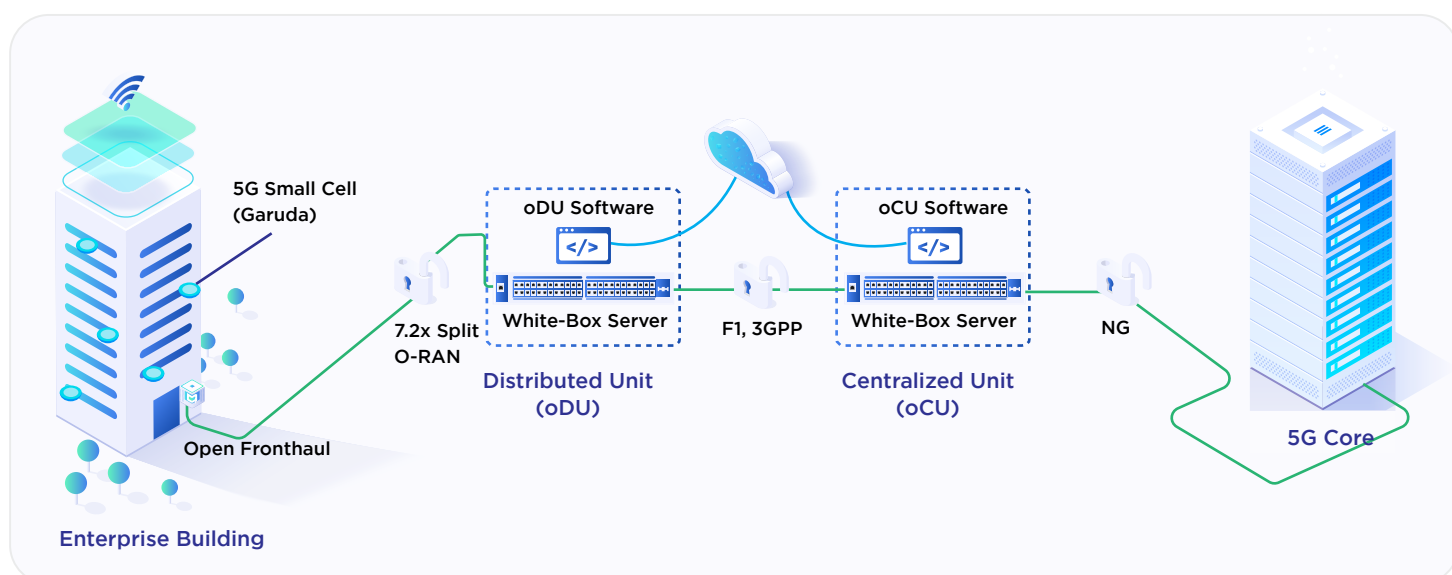
Indigenously Designed and Manufactured in India for the World

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



Plug and Play Solution

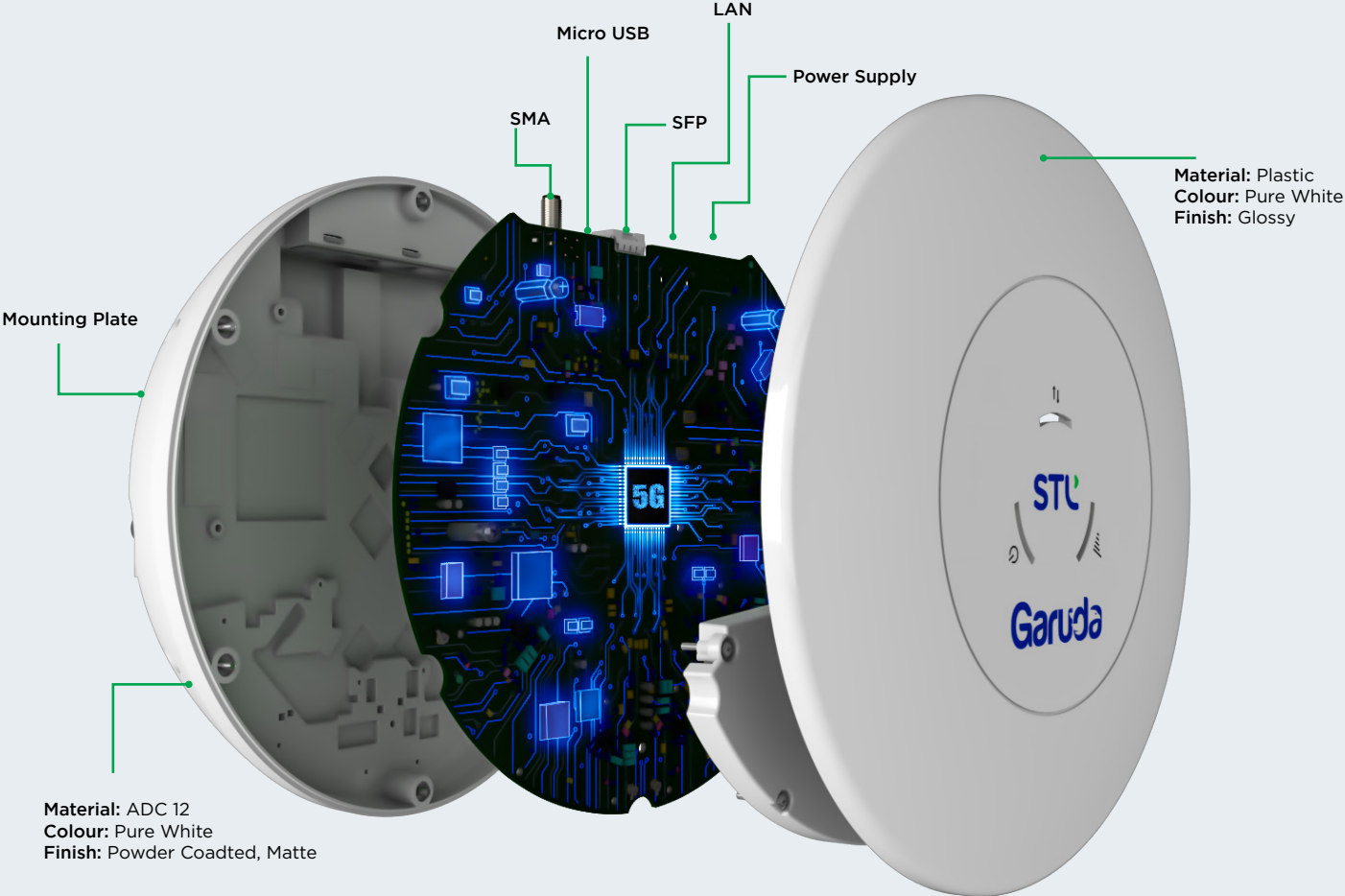
Can be installed easily with auto-configuration



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 STL - Sterlite Technologies Ltd

STL is an industry-leading integrator of digital networks.

We design and integrate these digital networks for our customers. With core capabilities in Optical Interconnect, Virtualized Access Solutions, Network Software and System Integration, we are the industry's leading end-to-end solutions provider for global digital networks. We partner with global telecom companies, cloud companies, citizen networks and large enterprises to deliver solutions for their fixed and wireless networks for current and future needs. We believe in harnessing technology to create a world with next generation connected experiences that transform everyday living. With intense focus on end-to-end network solutions development, we conduct fundamental research in next-generation network applications at our Centre of Excellence. STL has a strong global presence with next-gen optical preform, fibre and cable manufacturing facilities in India, Italy, China and Brazil, optical interconnect capabilities in Italy, along with two software-development centres across India and one data centre design facility in the UK.