



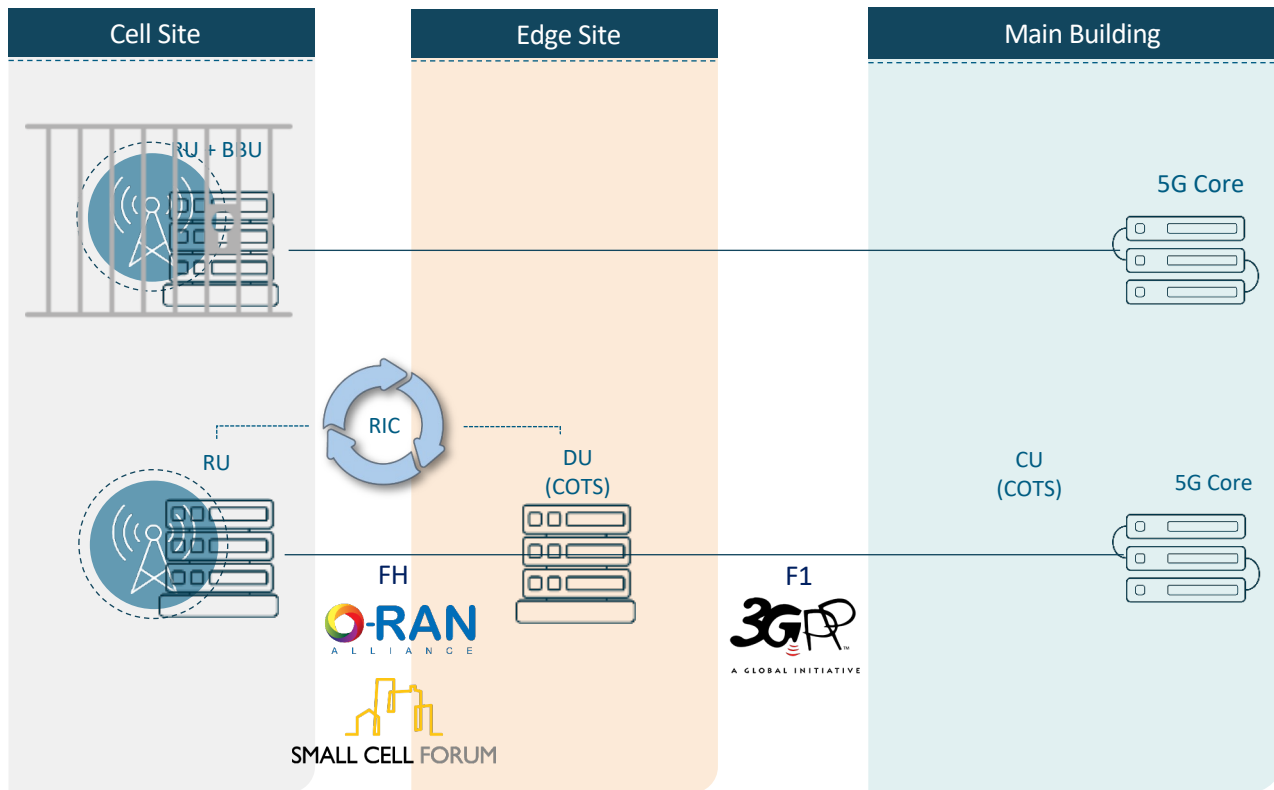
5G Architectural Evolutions Lessons Learnt

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Traditional

Open RAN






New Architecture Feature Support and Requirements

Features vs Split

Feature	 Split 2	 Split 6	 Split 7.2
Carrier Aggregation	○	●	●
Dual Connectivity	●	●	●
Beam Forming	●	●	●
MU MIMO	○	○	●
CoMP Downlink	○	●	●
CoMP Uplink	○	○	●

Fronthaul vs Split

Split	One-way latency	DL/UL 5G
Split 2 	~10ms	2.6 Gbps
Split 6 	< 1ms	2.6 Gbps
Split 7.2 	< 200μs	9Gbps

BW 100MHz, 30KHz SCS, 256QAM, 16 Ant Ports, 4 layers,
Block Floating Point.

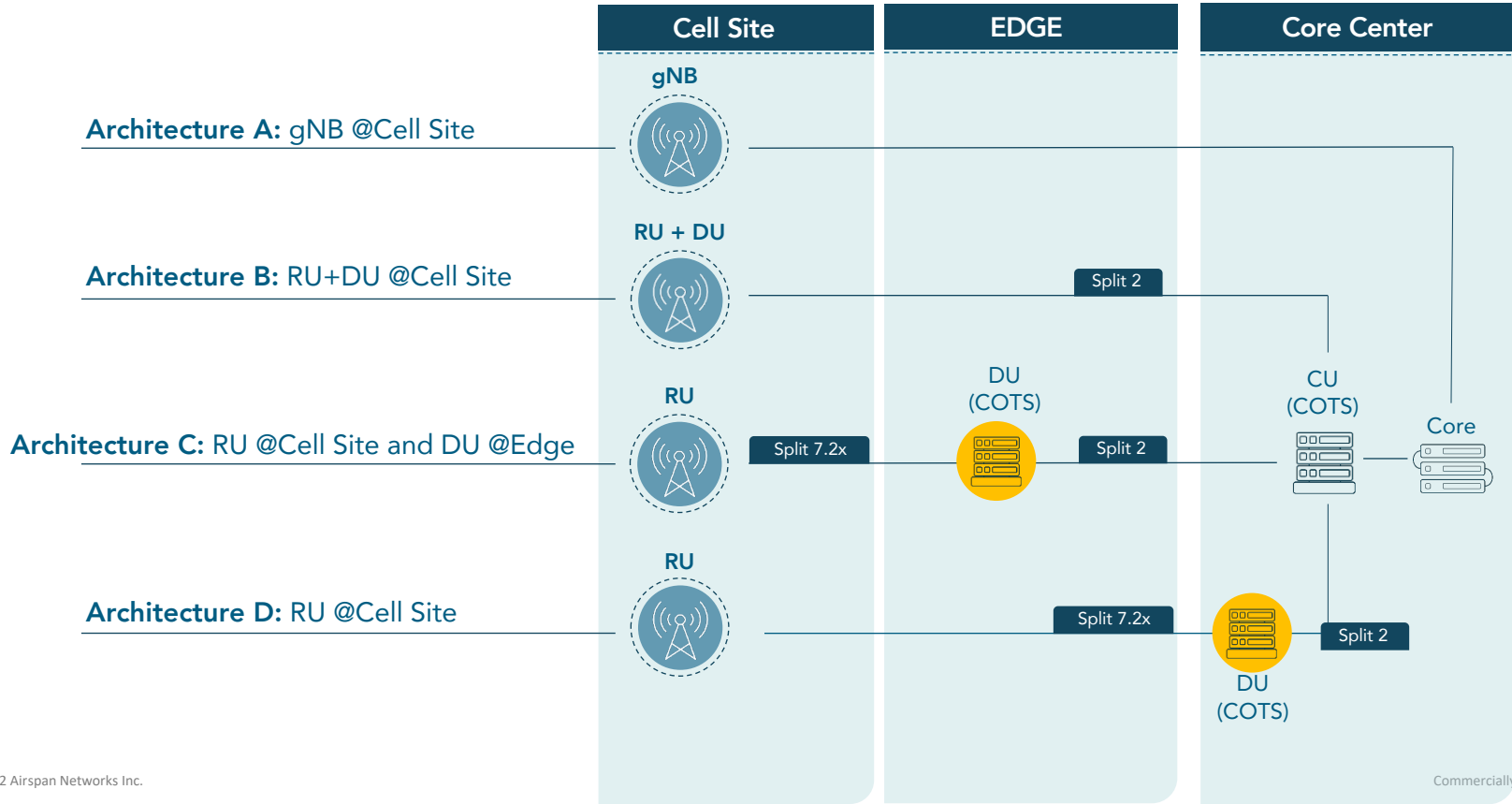
RF Throughput: 2.4Gbps



Use Case vs Architecture

- Public vs Private Network
 - NSA vs SA
- Frequency
 - mmWave
 - Sub-6GHz
 - Sub-1GHz
- Scale of the deployment
 - Densification / Large number of radios
 - Scatter deployment

Open Architecture - Split Use Case





Leading Provider of a True End-to-End 5G Intelligent RAN

Airspan is a one-stop shop for all RAN solution components:

- All network hardware components (All-in-One gNB, Radio Units & Distributed Units)
- 5G Software packages for all RAN elements
- Management (ACP – Airspan Control Platform)



gNB

All-in-One gNB
with SW package



RU

Indoor & Outdoor
Radio Unit



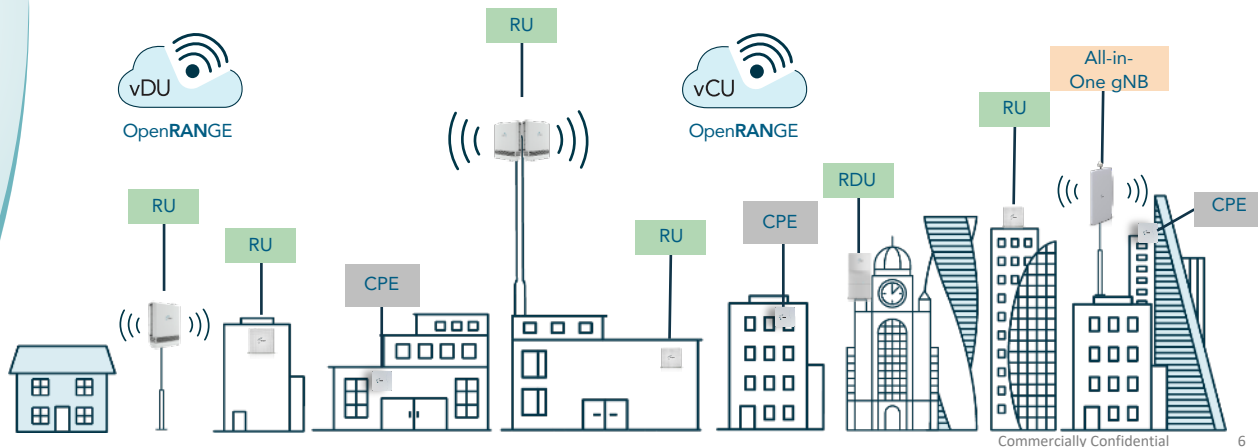
5G SW

Open RAN Software
DU & CU



ACP

Airspan Control
Platform



Thank you

LAYING THE FOUNDATION FOR OPEN
ARCHITECTURE AND 5G

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