SCALING AT THE EDGE

HTC 5G Private Network Solution

htc

intel

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WHO WE ARE

HTC has over 20 years experience working in the communication products. To enable the enterprise segment of 5G, HTC has decided to spin off the experienced 5G team as 100% subsidiary – REIGN Technology Corporation.

REIGN focus in private 5G network using 5G O-RAN SA. Our vision is to provide the optimized private 5G network service to support enterprise digital transformation.

REIGN CORE

REIGN CORE SERIES

5G IN A BOX

A compact 5G private network system to put all necessary networking equipment into a tiny mobility rack as a suitcase. Within 30 minutes, it can help user rapid and easily deploy 5G network in finite space.

Compliant with 3GPP and O-RAN structure using COST Intel® architecture based server to compose 5G network system includes 5GC, BBU, RRU and a L3 switch; which ***BBU powered by REIGN vRAN software.***

KEY FEATURES OF REIGN CORE SERIES

Security, Speed and Simplicity

REIGN RAN Technology Break Through	
	RRU can cover an area of radius 40m
	Low latency = ~ 10ms
	Large bandwidth (Max. DL 1Gps / UL 350Mbps)
	Base on requirements to optimize network configuration and RAN can be quickly switched, flexible expansion

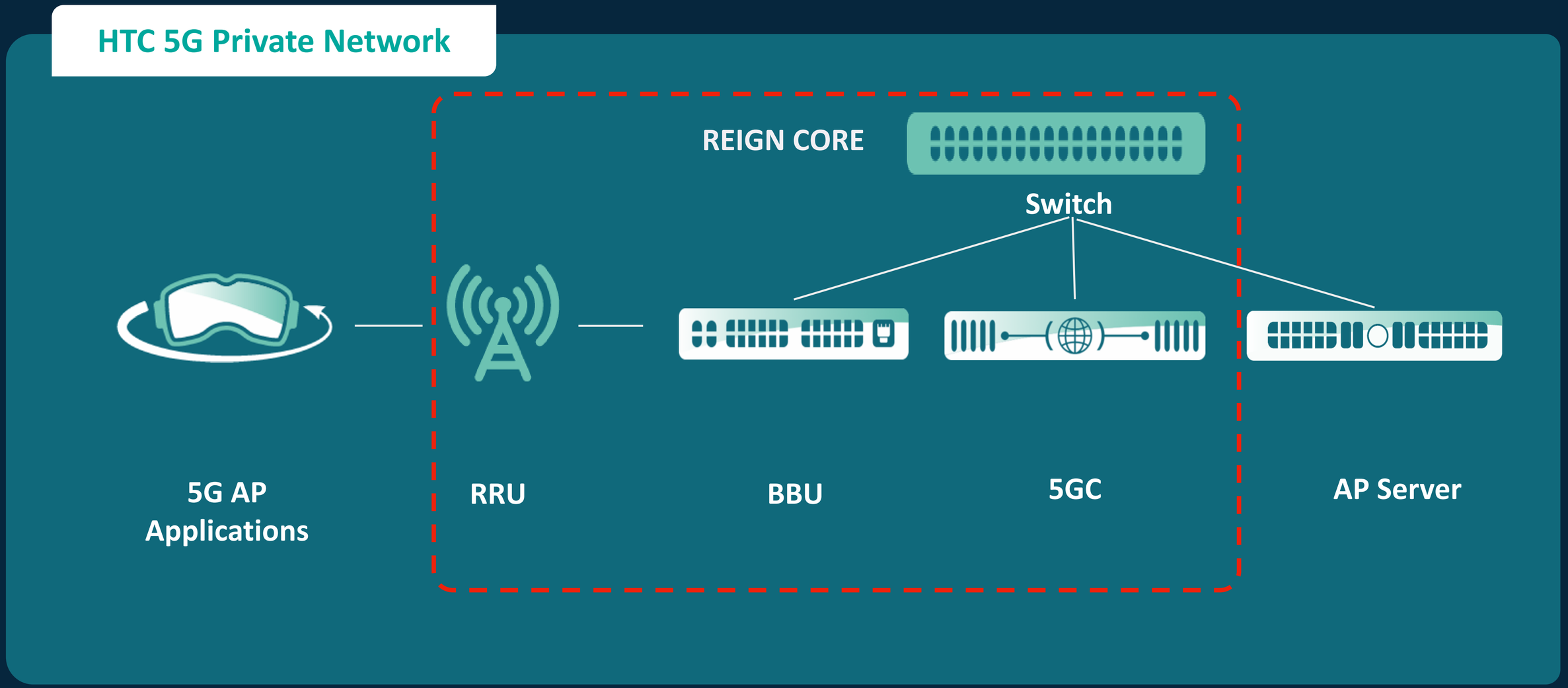
The company owns its core network server room to ensure that information is not leaked out

Highly flexible deployment ready for future expansion

Large bandwidth, Large connection Reliability and low latency

Highly integrated which can significantly shorten the construction time and reduce costs

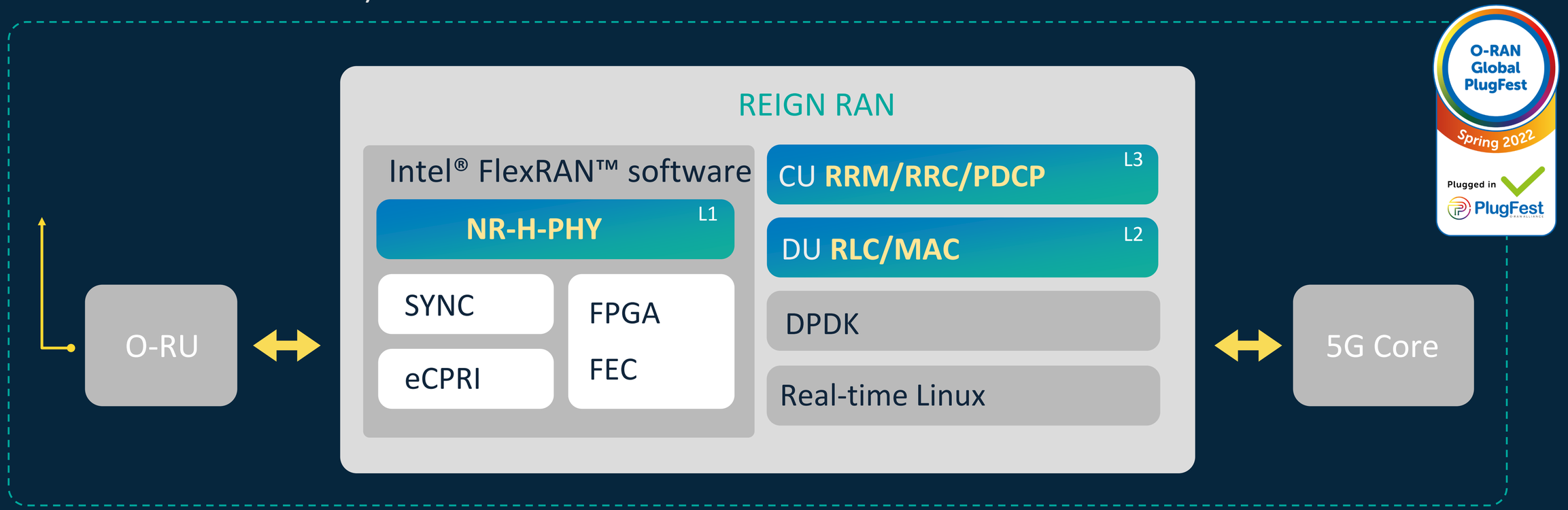
REIGN CORE SERIES HARDWARE STACK



RAN FRAMEWORK: CU, DU AND INTEL® FLEXRAN™ SOFTWARE

The architecture of REIGN RAN consists of Centralized Unit (CU), Distributed Unit (DU) and Intel® FlexRAN™ software (L1) specialized in UL Centric, DL Centric and VR Traffics.

RAN-CU are comprising of Layer 3, RRM, CU-OAM and PDCP/GTPu software. As for RAN-DU are comprising of MAC, RLC, F1-U, DU Manager, DU-OAM software. The interface between RAN and RU is O-RAN compliant option 7.2x split (eCPRI) which comprised with Intel® FlexRAN™ software (L1) utilizing the FEC (Forward Error Correction) Hardware Accelerator.



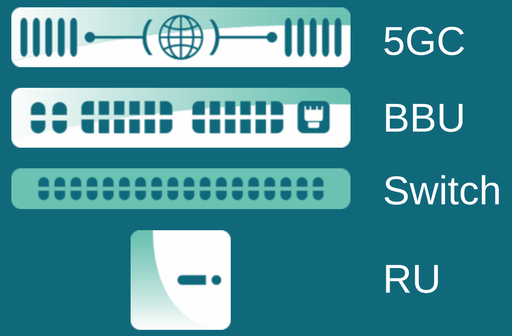
FLEXIBILITY FOR CUSTOMIZATION

1 REIGN Core – SAAS

Leverage Customer's Hardware Devices

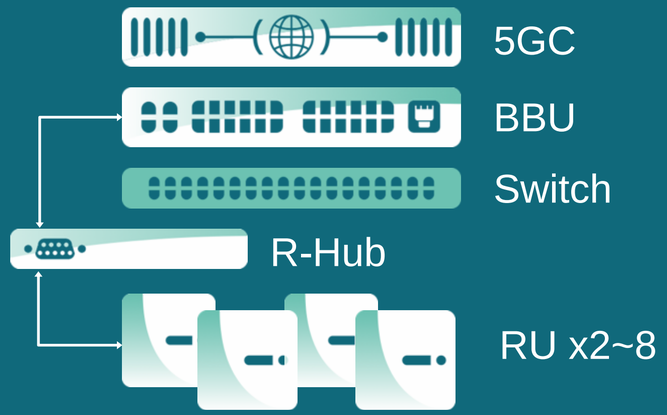
✓ DL Centric Profile/ Max. 1.0 Gbps
✓ UL Centric Profile/ Max. 350 Mbps
✓ VR Profile/ Max. 6 VR users

2 REIGN Core - Standard



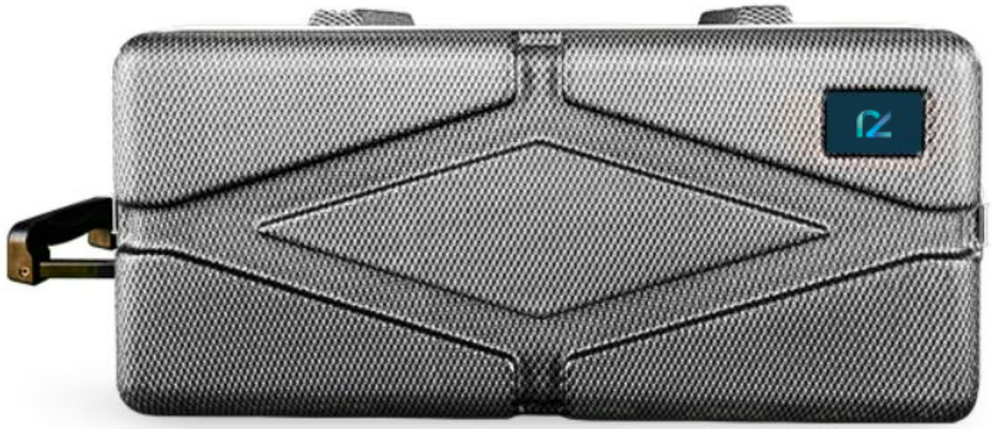
✓ vRAN Standard
✓ Default DL 700 Mbps
UL 120 Mbps
✓ Optional DL 1.0 Gbps
UL 350 Mbps

3 REIGN Core – Customization



✓ vRAN Customization
✓ Max. DL 1.0 Gbps
UL 350 Mbps

REIGN CORE SERIES SPECIFICATION



Ultra low latency ◦ Extreme bandwidth ◦ Mass connectivity

- **Mobile All-in-One**
- **30 Min. Rapid Setup**
- **Framework to Customizable Solution**

- **SPEC**
  - 5G NR Stand Alone
  - OAM inside
  - Sub-6: n79, n78, n77, n48
  - 100MHz bandwidth
  - DL 4 layers, UL 2 layers
  - 250mW indoor O-RU
  - Max. 32 active UE
  - Default 20 active UE
  - Latency Avg. 20~30 ms
  - Default DL 700Mbps, UL 120Mbps
  - GPS free
  - 565 mm x 556 mm x 250 mm

T H A N K Y O U

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Notices and Disclaimers

Performance varies by use, configuration and other factors. Learn more at www.Intel.com/PerformanceIndex.

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available security updates. See backup for configuration details.

No product or component can be absolutely secure.

Your costs and results may vary.

Intel technologies may require enabled hardware, software or service activation.