5G PRIVATE NETWORK SOLUTION
CONNECTING VIVERSE
ABOUT G REIGNS

HTC has 20+ years experience in the communication products from 2G, 3G, 4G to 5G. To enable 5G opportunity in enterprise segment, HTC has spined off the 20 years experienced 5G team to “G Reigns”, 100% HTC subsidiary.

G Reigns is a small but solid team with only 50 employees and 90% are engineers. It focuses in 5G O-RAN vRAN software stack for private network. Its vision is to provide the optimized private 5G network service to help enterprise digital transformation.
The architecture of G REIGNS RAN consists of Centralized Unit (CU), Distributed Unit (DU) and FlexRAN (L1) specialized in UL Centric, DL Centric and VR Traffics. With a one-stop management interface, users can manage the network effectively and comprehensively.
OUR ADVANCEMENT

PRIVATE 5G MADE SIMPLE

Secured & Privately Stationed 5G service
Mission Critical Bandwidth & Latency
Highly Scalable O-RAN Deployment
Cost Efficient Digital Transformation

VRAN PRIVATE 5G ADVANCEMENT

Max. DL 1Gbps
Max. UL 350Mbps
Low Latency ~10ms
Radio Unit up to 40M radius (Indoor)
Use Case Integration Optimized
REIGN CORE SERIES

**Standard Package (PoC or Buyout)**

- Plug & play simplicity in one mobile package. Keep versatility for expansion
- Reign Core Series (5G portable box)
- 5GC + BBU + RRU

**Reign Core**

- High Data Rate
- High Coverage

**Reign Core S2**

- Use case specific scaling with optimization on applications leveraging best of HTC VIVE such as XR on edge & AI
- Choose from trusted COTS: Supermicro, QCT, Ufispace etc.
- 5GC tested: Ericsson, Nokia, Cisco, NEC, etc.

VRAN SOFTWARE

**Project Based End-to-end solution**
Case 1
In the production line of the factory, in order to let material handling work more flexibly with AGVs, four RUs are deployed in a space with four compartments within 55m*70m, and the four AGVs can pass through the 5G network in the entire field. The network performs smooth handling tasks and monitoring, and immediately returns the results and provides warning messages without any waiting of re-registration during roaming.

Case 2
In the factory, in order to reduce industrial accidents and improve efficiency, a small-scale 5G network coverage is deployed in the automatic storage area of 10m*15m. There are three high-definition cameras are provided for AI monitoring with Real-time feedback and AI discrimination results.
CAMPUS @ TW

KAOHSIUNG EXHIBITION CENTER (KEC)  NATIONAL THEATER & CONCERT HALL
PRIVAEYE 5G TO ELEVATE THE VR TRAINING EXPERIENCE
PRIVATE 5G TO ELEVATE THE VR TRAINING EXPERIENCE
THANK YOU