

# Carlos Gómez Gallego

---

Chief Technology Officer, APJ Region  
HPE Aruba Networking  
Hewlett Packard Enterprise



## Demands of the Edge require Wi-Fi and Private 5G



**Wi-Fi** excels in delivering high capacity to each user or device as well as high capacity for large dense networks – at walking speeds



**Private 5G** brings better coverage, high-speed mobility, clean spectrum and greater determinism



## Private 5G opportunity

Athonet will put HPE at the forefront of a growing market that is **predicted by IDC to increase to more than \$1.6 billion<sup>1</sup> by 2026.**

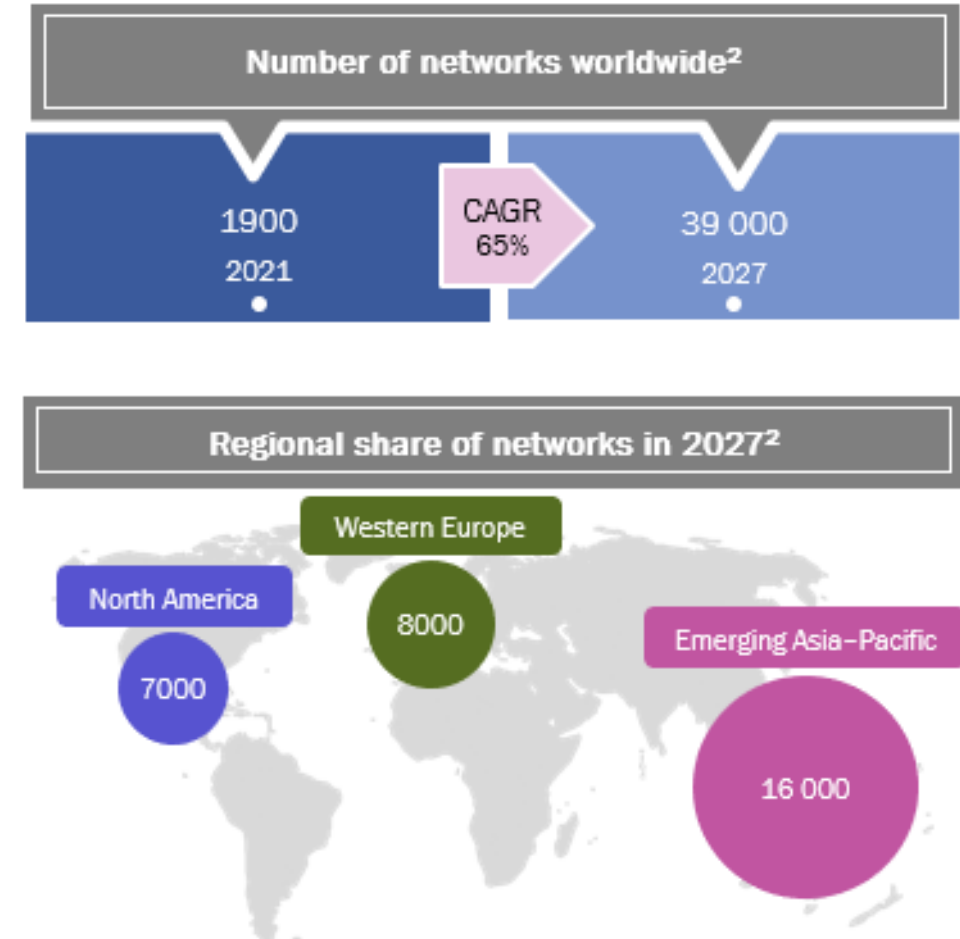
**Worldwide:** the number of private LTE/5G networks will grow at a **CAGR of 65% between 2021 and 2027** to reach 39,000 networks<sup>2</sup>

Our enterprise customers say that they would like a **unified approach to P5G and Wi-Fi**

<sup>1</sup> Source: IDC, Worldwide Private LTE/5G Wireless Infrastructure Forecast, 2022–2026, doc #US48891622, March 2022. Predicting more than \$1.6 billion in enterprise core (EPC/vEPC and 5G core) revenue.

<sup>2</sup>Source: Analysys Mason, Private LTE/5G networks: worldwide trends and forecasts 2022-2027

Figure 1: Private networks, worldwide, 2021–2027



SOURCE: ANALYSYS MASON, PRIVATE LTE/5G NETWORKS: WORLDWIDE TRENDS AND FORECASTS 2022-2027  
SEE DEFINITIONS ON SLIDE 23. CHINESE OPERATORS AND TRADE PUBLICATIONS HAVE REPORTED HIGHER NUMBERS OF PRIVATE NETWORKS BUT IT IS NOT CLEAR THAT DEFINITIONS USED MATCH ANALYSYS MASON'S DEFINITIONS.  
<sup>2</sup> OUTPUTS HAVE BEEN ROUNDED TO THE NEAREST THOUSAND.

# Why Athonet?

15+ years of experience, 400+ enterprise customers

## Industry Leadership



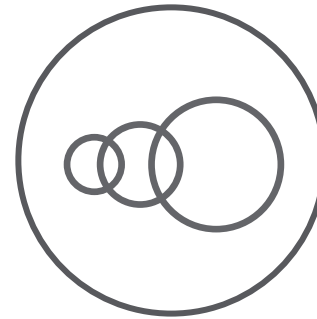
Winner of 3 ICCA and 5 GLOMO awards at MWC (Mobile World Congress)

## Deployment Flexibility



Deploy in cloud, on prem, or hybrid; self-managed, via a carrier, or as a managed services offering

## At Scale



Scales from 50 to 500,000 SIMs to meet the needs of small teams *and* large organizations

## Built for the Enterprise

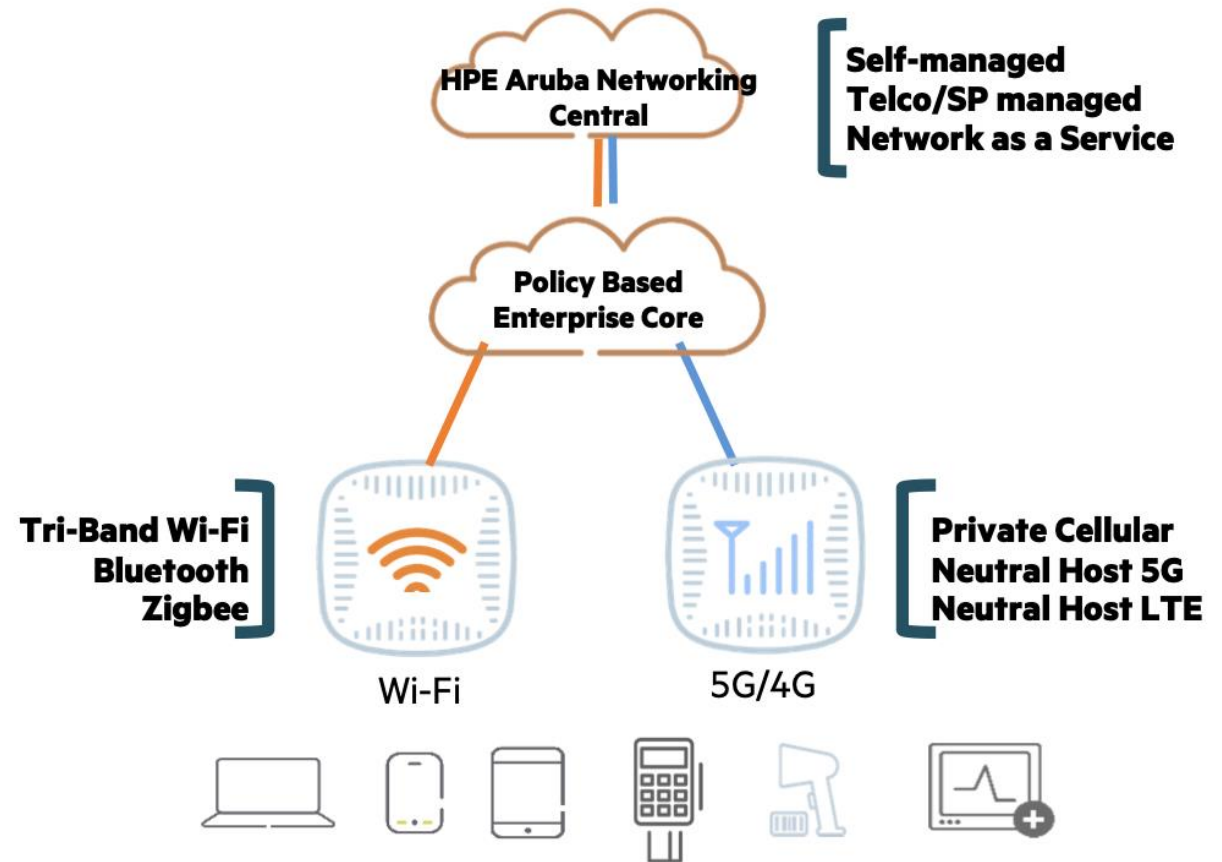


Carrier-grade service with simplified 5G orchestration and zero-touch automation

## HPE's Private 5g and Wi-Fi strategy

“Enterprises are not interested in deploying **both 5G and Wi-Fi** networks in separate silos, there is interest in a **combined solution** that can help tackle the integration and management issues from a single pane.” IDC

A converged fabric with common identity, security and management interface that supports seamless roaming



# HPE Athonet Private 5G at Ryder Cup

- Extend the reach of the network
- Twin use Cases
  - AP backhaul – Solar Powered AP
  - Operational staff – Android PTT and UXI Client
- 5G Operation
  - 3830 Mhz
  - 60" =Single Sector Antenna @ 5W Power
  - 2KM Range
  - Athonet Tactical Cube
- Future Use Case
  - Reduce Bump-in to days not months
  - Reduce or eliminate 50KM of Fibre
  - Prevent Outages





# Gordon Tan

---

Consulting System Engineering Manager  
HPE Aruba Networking



# UNIFIED ARCHITECTURE FOR NETWORK MODERNIZATION

