

MicroRAN

5G private network all-in-one solution



Secure
Reliable
Easy Deployment



All-in-one 5G private
network solution

A secure, reliable and easy
deployment turn-key solution
for small and medium-sized
enterprises



Designed for Small-Mid
Enterprise



Secured Data



Reliable Mobility



Low TCO & High ROI

Features

Universal connectivity

- The first & only industry solution providing single gateway end-to-end client security for 5G, Wi-Fi, wired Ethernet (IoT) clients, making it easy to specify and enforce traffic and security policies
- Forward compatible: connecting existing devices and new deployments
- Connect capability: 32x UEs per small cell



Enhanced security

- **Policy Based Access Control** : By access/block lists, traffic limits & filtering
- **Reduce Attack Surface** : Client groups are isolated based on segmentation or DNN access policy
- **Threat Control** : Enforcement via ACL, URL filtering, firewall, IPS/IDS

Micro-segmentation by



Device

Locations

Time slot

Destination

Easy management & deployment

- **Single pane of glass** : Integrated dashboard for radio & core network management, including monitoring each UE detail and configuration of 5GC
- **Optimized** : AIOPs to automatically detect, troubleshoot issues, and provide insights and trends



Detail of UE

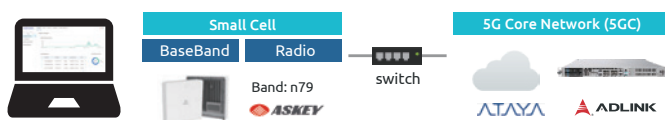
Configuration of 5GC

**Alops: Algorithmic IT operations*

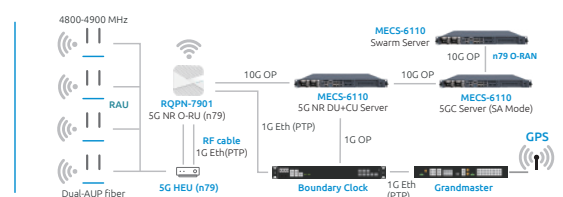
Compact & simplified architecture

- All-in-one solution with integrated 5G baseband, radio and antenna helps to break installation barriers
- Time-precision & rugged server provides 5GC and grandmaster function without dedicated environment requirement

ADLINK MicroRAN All-in-one Solution



All-in-one



ORAN



MicroRAN Architecture



Designed for Small-Mid
Enterpris



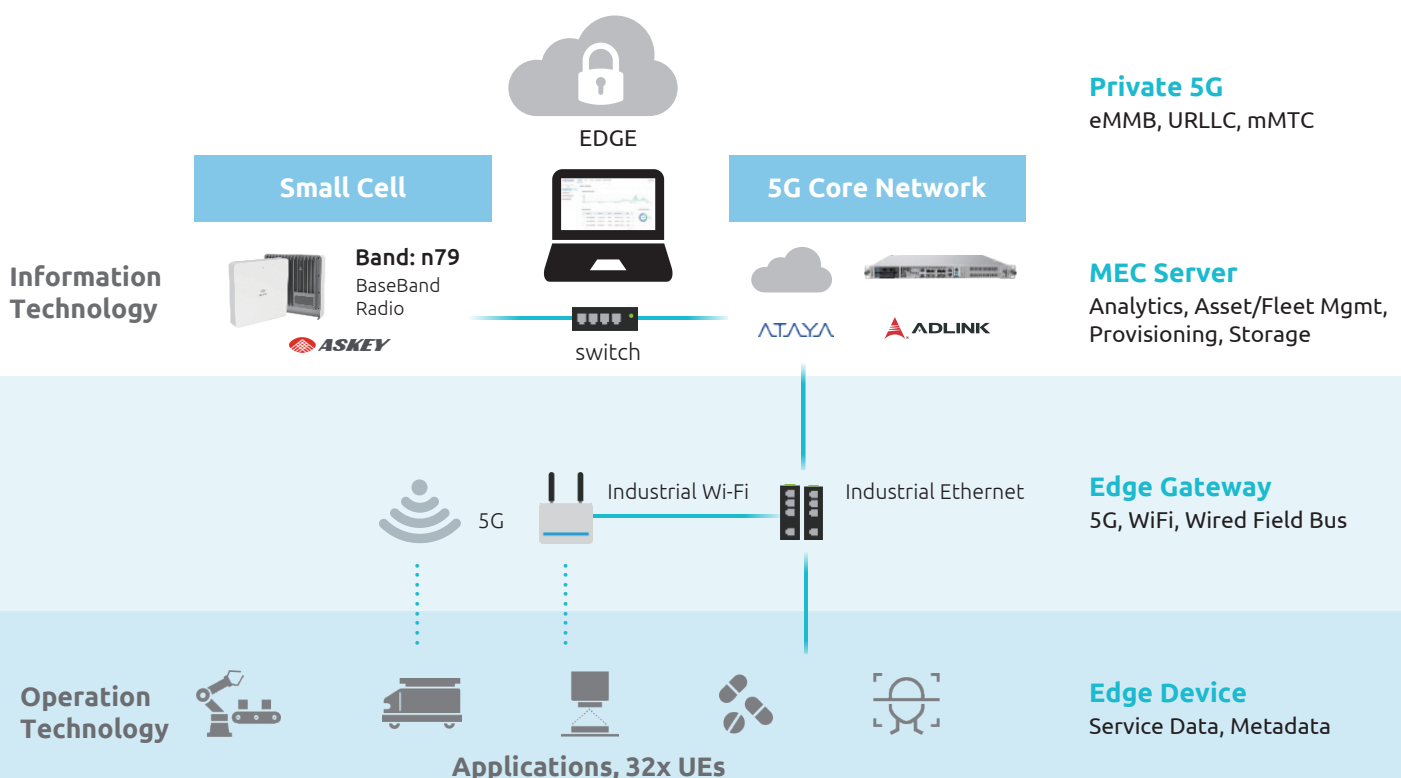
Secured Data



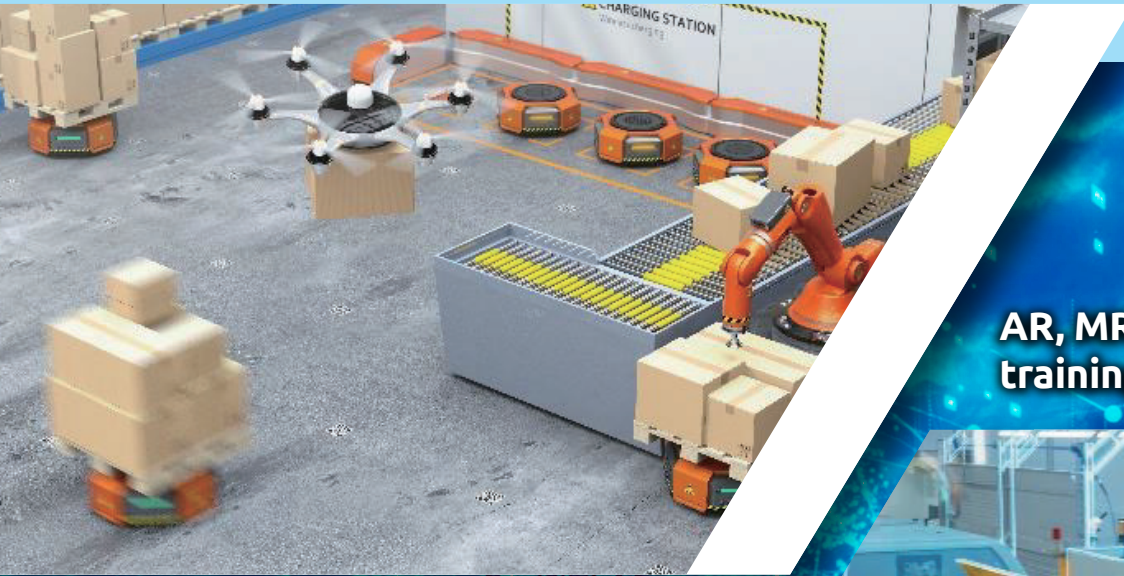
Reliable Mobility



Low TCO, High ROI



Target Applications in Smart Manufacturing



**AR, MR remote inspection,
training**

AMR, AGV, drone connectivity



Real-time AI vision analysis



Why 5G for AMR

5G

Secured by SIM

Seamless

eMBB: 4 ms
uRLLC: 0.5 ms

Security

Handover

Latency

Wi-Fi 6

Non-Secured

Not Smooth

Average 20 ms



Use Case



AMR, AGV Swarm Autonomy



Real-Time AI Vision Analysis : pallet pick up

Note



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