ADLINK
LEADING EDGE COMPUTING

MicroRAN

MicroRAN

5G private network all-in-one solution



Secure
Reliable
Easy Deployment

Brochure

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MicroRAN

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 Contro l:** Enforcement via ACL, URL filtering, firewall, IPS/IDS

Micro-segmentation by



Device | Locations | Time sole | 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

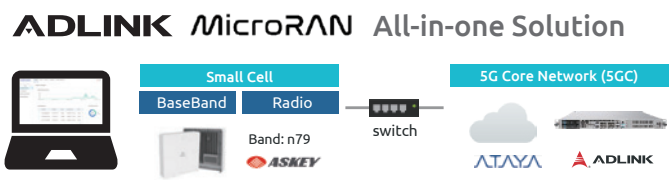


Detail of UE | Configuration of 5GC

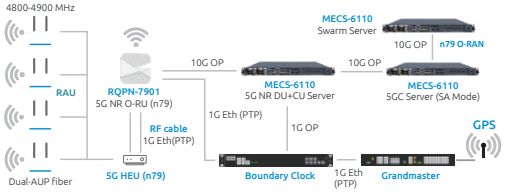
** Alops: Algorithmic IT operations*

Compact & simplified architecture

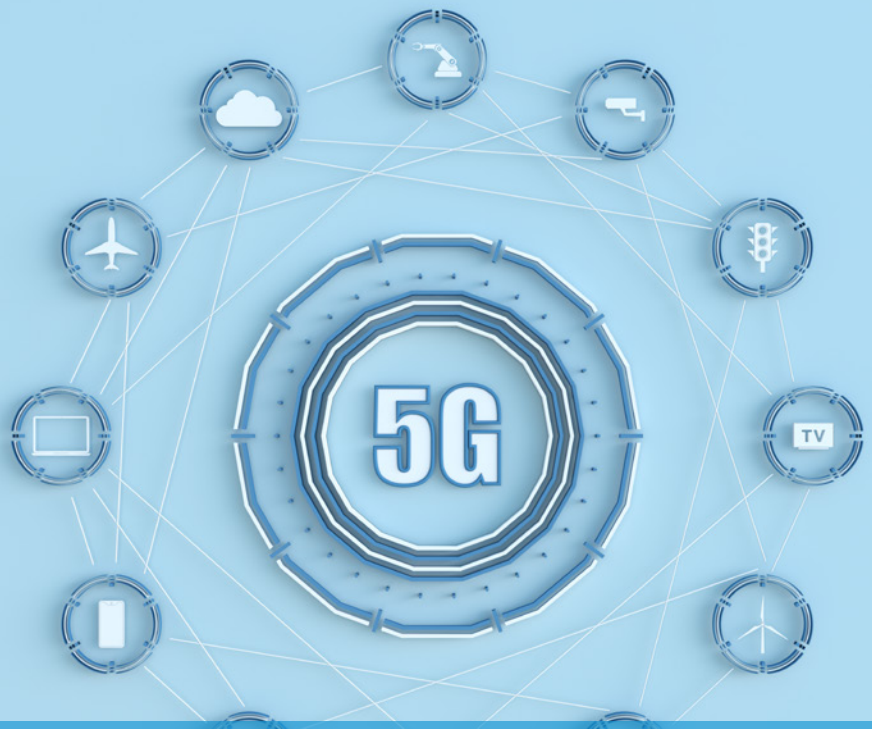
- All-in-one solution with integrated 5G baseband, radio and antenna helps to break installation barriers
- Time-precision & rugged server provides 5GC and grandmaster function without dedicated environment requirement



All-in-one



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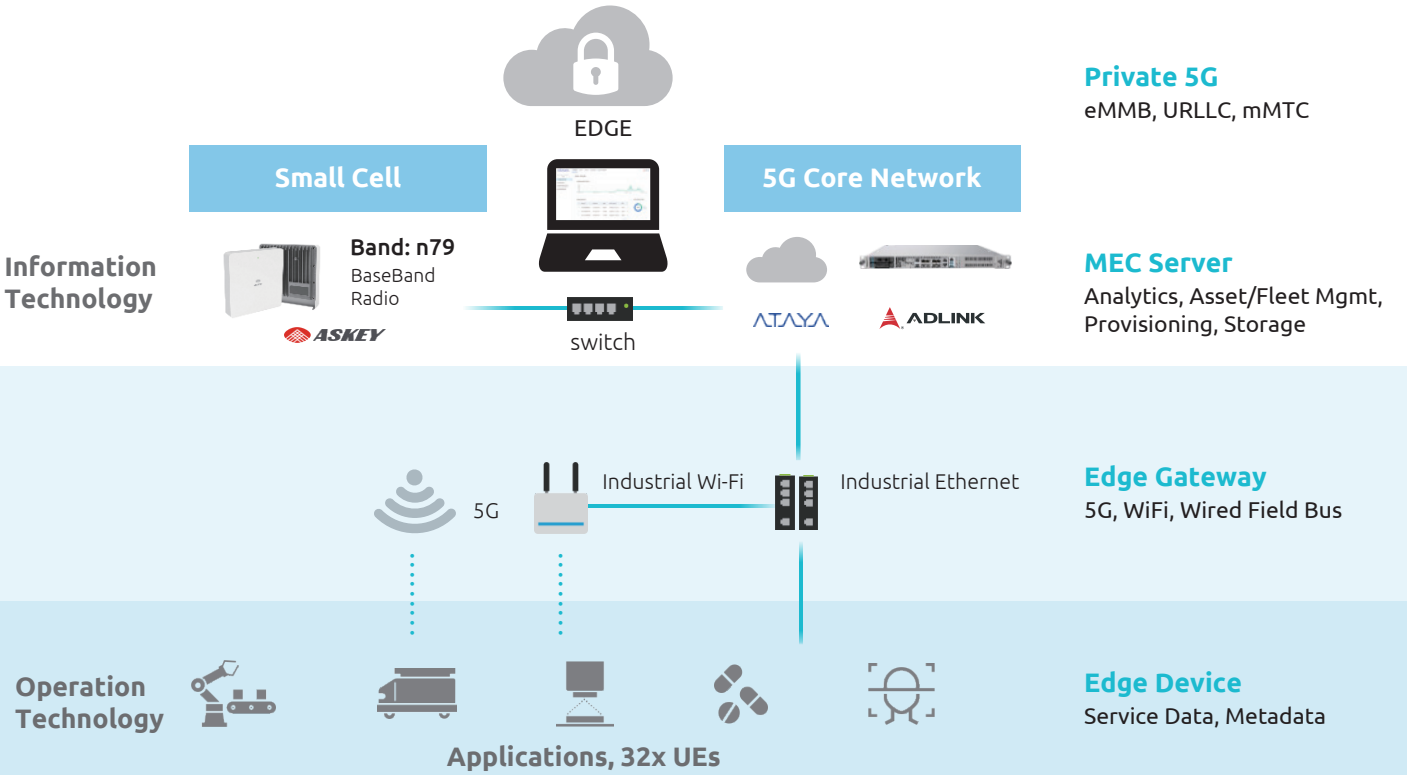
MicroRAN Architecture

Designed for Small-Mid Enterpris

Secured Data

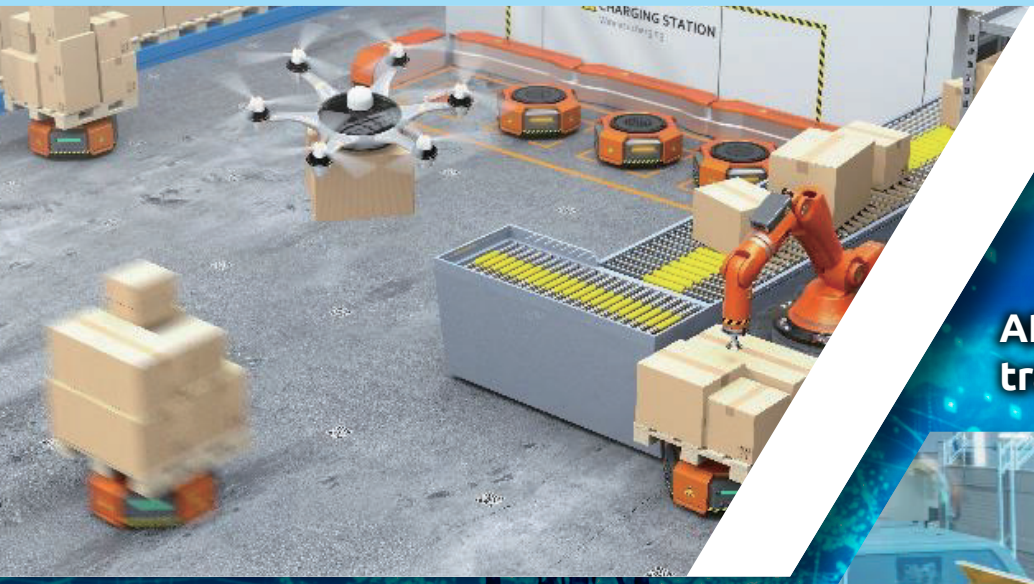
Reliable Mobility

Low TCO, High ROI



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Target Applications in Smart Manufacturing



AR, MR remote inspection, training

AMR, AGV, drone connectivity



Real-time AI vision analysis

Why 5G for AMR

5G		Wi-Fi 6
Secured by SIM	Security	Non-Secured
Seamless	Handover	Not Smooth
eMBB: 4 ms uRLLC: 0.5 ms	Latency	Average 20 ms



Use Case



AMR, AGV Swarm Autonomy



Real-Time AI Vision Analysis : pallet pick up

Note

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