

# Accelleran

## Private 5G Solution



## Accelleran Private 5G Turnkey SA Solution

Accelleran provides **Private 5G solutions for enterprises of all sizes**. We work with our ever-growing ecosystem of radio vendors to create tailored solutions to suit your use cases.

**Seamless Integration:** With our state-of-the-art CU-RIC-SMO software that runs on a COTS server platform, paired with pre-integrated Radio Unit (RU) and DU offerings from our partners, you get a complete turnkey Private 5G package.

**Embrace Open RAN:** Our solutions are Open-RAN aligned, providing benefits including network flexibility, enhanced scalability and more. For more information on Open-RAN and its benefits, check out our website.

**Simple Installation:** No RAN expertise? No problem. Setting up our solutions is as straightforward as installing WiFi.

### Your Open Private 5G, Today

## Accelleran dRAX

*Selection of Radio Units  
(Indoor and Outdoor)*



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*COTS Server*



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## 5G Turnkey SA Solution

### Detailed Radio Specification table:

	Benetel RAN550	Benetel RAN650	Cablefree 5G	T&W/Askey 5G
Scenario	Indoor	Outdoor	Indoor/Outdoor	Indoor
Frequency Bands	N78; N79	N78; N77U	N39; N77; N78; Others on request	N78
Power (at Antenna port)	250mW/24dBm	5W/37dBm	Several up to 20W/43dBm	250mW/24dBm
HW MIMO (SW support)	4T4R (2T1R)	4T4R (2T1R)	2T2R; 4T4R	2T2R
Architecture	Option 7.2	Option 7.2	Option 7.2	Option 2
Bandwidth	40,100MHz	40,100MHz	10 to 100MHz	10 to 100MHz

Need more information?  
Get in touch: [Info@Accelleran.com](mailto:Info@Accelleran.com)



## Private Networks - Why Private 5G?

Private 5G triumphs where latency and speeds are important – mission critical scenarios. Private 5G networks can also enhance and augment existing Wi-Fi and Public 5G networks, offering several key advantages:

**Augmented Wi-Fi:** Private 5G can be used alongside Wi-Fi to bolster connection quality and resolve potential areas of congestion.

**Mobile Connectivity:** With inherent support for mobile devices, private 5G networks can seamlessly handle mobility better than traditional Wi-Fi, especially in environments with high mobility requirements.

**Dedicated Spectrum:** No more battling spectral congestion. Private 5G operates in a dedicated spectrum, ensuring consistent, interference-free connectivity.

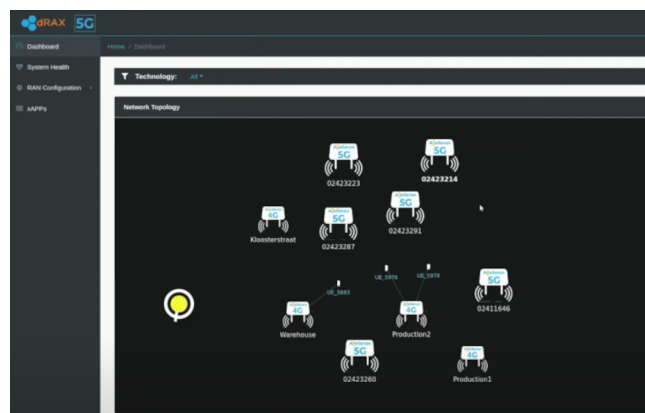
**Public 5G:** While public 5G provides broad coverage, private 5G offers the reliability and control needed for specific use-cases or within particular environments.

## Why Choose Accelleran?



Accelleran's API-first approach means that our software is developed with interoperability and scalability in mind. We provide cost-effective solutions whilst also giving our clients the freedom to select from a wide choose of radio unit partners, we excel in the deployment of multi-vendor, open and intelligent Private 5G networks.

With our extensive experience working with our ecosystem partners, **Accelleran stands as your single point of contact, providing end-to-end post-sales support for your network.**



Accelleran's solution comes with an intuitive SMO GUI, serving as your control panel for real-time network management.

It offers a dynamic visualisation of your network, allowing you to **monitor and adjust it in real time**. It also streamlines the deployment of xApps and rApps, opening avenues for automation and optimisation. This level of control delivers unprecedented agility, efficiency and control, **revolutionising the way you manage a Private 5G network.**

## Frequently asked questions

**What can I do with Private 5G?:** With Accelleran's Private 5G solution, a diverse array of applications is within reach - from resilient smartphones and tablets, to Automated Guided Vehicles, security surveillance systems, and various sensors. Establishments ranging from industrial sectors, innovation hubs, to educational institutions can effortlessly implement a private 5G network in spaces like offices, storage facilities, research labs, or academic campuses.

**What about licensing?:** Private networks work independently from the networks of public telecom operators. Accelleran covers bands commonly found in Europe (e.g N77, N78) and other regions - get in touch to hear more.

**How difficult is it to setup?:** Accelleran Private 5G is designed to be as easy to deploy as WiFi.

**What about the core?:** Accelleran is core agnostic and our solution is preintegrated with many core vendors. The most up to date list can be found on our website, with a selection below.



**Still have questions? Get in Touch**

## Accelleran Private 5G

Digital transformation is no longer a question of if, but when. Many enterprises struggle with the complexity of network transformation, with so many vendors on the market offering different kinds of solutions. **Selecting the right partner is critical** - it's not easy to decide which hardware and software is best suited for your business case.

Our O-RAN aligned Private 5G turnkey solution, stands out as a robust offering: **bringing automation, intelligence and new capabilities to your business.**

### Use Cases

#### Outdoor Connectivity



##### Connecting the unconnected

Neutral-Host Private 5G: Accelleran and partners deployed a multi-MNO small cell solution tailored for tourist areas with seasonal network demands. This cost-effective approach ensures connectivity when individual MNO deployments aren't profitable.

#### Indoor Mobility



##### Driving Industry 4.0

Industrial Connectivity: Accelleran and partners deployed a Private 5G Solution across a large industrial compound to support AGVs. Using a mix of architectures (Option 2 for Indoor, 7.2 for Outdoor radio) creating a robust, tailored solution.

#### Remote Infrastructure Monitoring



##### Building Offshore Connectivity

5G Living Lab: As part of a global consortium, this project established a 5G testbed, showcasing how high-speed communications revolutionise remote operations, robotics and autonomous systems in the offshore wind sector and beyond.

#### Automating Construction



##### Leading Innovation in Construction

Spot the Dog: With a robust standalone 5G network developed by Accelleran and partners on an isolated island construction site, the robot seamlessly collects real time data, mapping and more, demonstrating the potential of robots in challenging environments.