



ERICSSON

Ericsson Private 5G

Coverage, mobility, and performance
for critical applications

End-to-end wireless solution for the most challenging locations and situations



Organizations today rely on wireless connectivity for many mobile devices and applications that are business-critical. In large areas where Wi-Fi has trouble delivering, private 5G is an ideal solution — combining the control and fixed costs of Wi-Fi with the reliability, flexibility, and inherent security of public cellular.

Private 5G or Wi-Fi?

	Private 5G	Wi-Fi
Coverage	With licensed spectrum, private 5G is able to use more powerful antennas and radios — covering more area with less infrastructure than Wi-Fi.	Wi-Fi access points don't reach very far — especially when there is a lot of equipment, interference, and user competition in the area.
Mobility	The network controller and cellular core decide which radio each device should connect to. The result? Fewer handoffs and seamless connectivity.	Devices are flying blind — unaware of other nearby access points. Mobility often leads to handoff challenges and lag time.
Reliability	Private 5G provides consistent low latency through licensed spectrum. Devices on the private network don't have to compete for bandwidth.	Wi-Fi doesn't provide guaranteed throughput — making it difficult to rely on for business-critical applications 24x7.

Connecting critical applications across many industries

From warehouses and manufacturing plants to ports and airports to mines and energy sites, companies are trusting the coverage, mobility, and reliability of private 5G to connect their most critical use cases — and then latest and greatest innovation ideas for years to come.



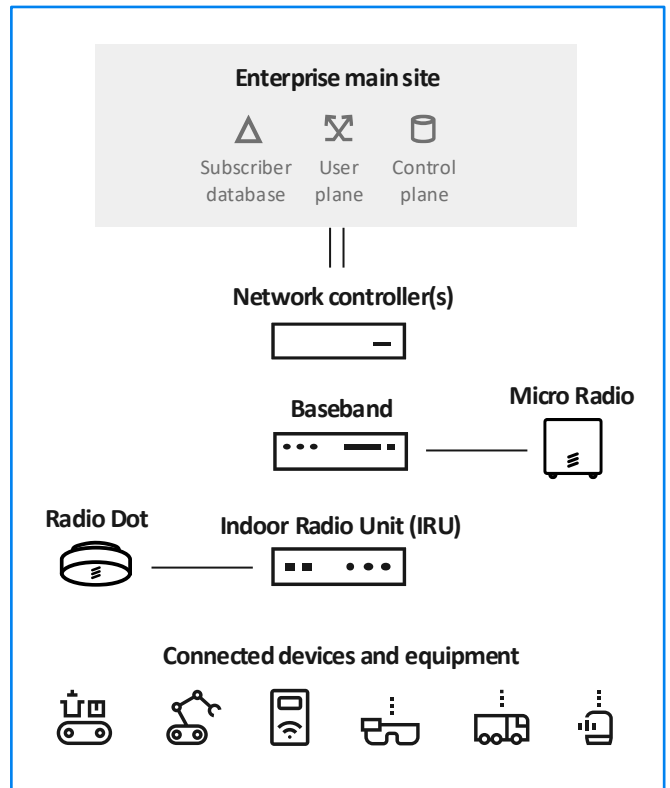
Private 5G excellence — from end to end

Ericsson Private 5G is a full-stack solution — designed, developed, and supported end to end by Ericsson. This holistic approach enables high performance, reliability, and scale from day one through the network lifecycle.







Brains of the network: Controller and core

An on-premises controller runs features that drive network intelligence and wide-ranging services, including the dual mode 4G/5G core, VPN, logging and data collection, domain proxy, SIM manager, and lifecycle management.



Industry-leading radio portfolio

	 Radio Dot	 Micro Radio	 Macro Radio	 AIR
Environment	Indoor	Indoor/Outdoor	Outdoor	Outdoor
Max speed	3.8 Gbps	10 Gbps	25 Gbps	25.8 Gbps
Max bandwidth	200 MHz	150 MHz	380 MHz	300 MHz
MIMO	2x2, 4x4	2x2, 4x4	4x4, 8x8	Up to 32x32
Key functionality	Scalable, flexible indoor positioning	Versatile high-performance small cell	High-capacity, wide-area outdoor coverage	Beamforming, massive MIMO

Learn more at cradlepoint.ericsson.com