

Ericsson unveils in-vehicle 5G router with dual-SIM failover and edge AI

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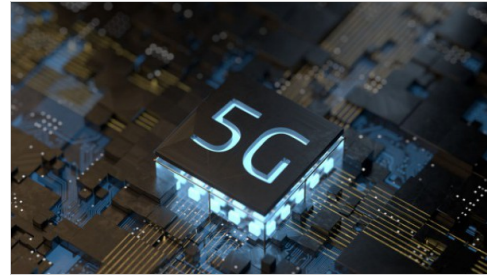
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The solution combines ultrafast failover, high-precision location services and advanced edge computing to help organizations operate more safely, efficiently and reliably

Ericsson has launched the Ericsson Cradlepoint R2400 router and the extensible RC1250 modem. It is built for vehicles and mobile field teams, combining ultrafast failover, high-precision location services and advanced edge computing to help organizations operate more safely, efficiently and reliably. Designed for first responders, transit operators and private fleets, the R2400 supports mission-critical applications ranging from lifesaving emergency coordination to route optimization and predictive maintenance. The solution is also compatible with public safety networks and emerging network slicing services, leveraging 5G stand-alone Release 17 technology to unlock new capabilities across public safety, mass transit and commercial fleet networks. When paired with the RC1250 modem, the R2400 offers scalable WAN capacity to support bandwidth-intensive applications such as live video streaming, while enabling onboard AI inferencing at the edge.



Source: Getty image/Just_Super

Key capabilities include:

- An industry-first Dual-SIM/Dual Standby (DSDS) configuration on a single modem enables carrier switching up to 10 times faster than traditional approaches — maintaining uninterrupted voice, video and data during critical operations.
- Real-time kinematics (RTK) combined with dead reckoning enhances positioning accuracy from 1-3 meters to approximately 1 cm, enabling lane-level vehicle identification and precise real-time tracking of personnel, assets and drones.
- Support for up to five simultaneous cellular connections, along with multiple low-Earth-orbit (LEO) satellite links, maximizes throughput and availability — even in rural or low-coverage environments.
- An integrated 4x4 software-defined Wi-Fi 7 access point delivers 2-4 times faster speeds for passenger connectivity and operational communications in transit and emergency response scenarios.

Improvements over previous generations include:

- 2.5 times more on-device compute supports local AI inferencing, computer vision workloads and enhanced performance for containerized applications.
- Twice the throughput supports NetCloud SASE zero-trust security and SD-WAN services, strengthening WAN protection across fleets, sites and mission-critical assets.
- A flexible, extensible design allows organizations to upgrade or add 5G modems as carrier technologies evolve — eliminating costly hardware replacements.
- NetCloud provides centralized visibility into every connected vehicle and introduces the industry's first agentic AI virtual expert optimized for enterprise 5G networking. AIOps dashboards proactively identify anomalies before they impact service, improving operational efficiency for lean IT teams.

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CONTACTS

The Americas

+1 877 863 1306

Europe, Middle East & Africa

+44 20 7176 1234

Asia-Pacific

+852 2533 3565

www.spglobal.com/mobility

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