

LG begins mass production of 5G smart telematics unit for European automaker

19-Aug-2026 09:45 GMT

IHS Markit

Mobility Global

Supply Chain and Technology, Automotive

The 5G Release 16 unit integrates up to 12 antennas and marks its first deployment in a production vehicle in Europe

LG Electronics has begun mass production of a 5G Release 16 smart telematics unit integrating up to 12 antennas and has started deliveries to a premium European automaker. The company said the supply deal marks the solution's first deployment in a production vehicle in Europe. The product combines a

communications module and multiple antennas in a single unit, aiming to improve connectivity while reducing radio-frequency cabling, wiring complexity, vehicle weight and cost.



Source: Getty Images Plus/metamorworks

Conventional vehicle communication systems typically use a telematics control unit and a separate externally mounted shark-fin antenna. LG said growing demand for Multi-Frequency Global Navigation Satellite Systems, 5G, Wi-Fi and vehicle-to-everything (V2X) connectivity has increased the number of antennas required in vehicles, creating space and wiring challenges, particularly in electric vehicles.

The new unit uses an internal architecture designed to accommodate up to 12 antennas, reducing reliance on externally mounted antennas. Its modular design allows telematics and antenna boards to be combined or separated depending on automaker requirements, enabling use in new vehicle models and existing platforms.

The solution is built on LG's proprietary Automotive Telematics Platform, which the company said has been developed and refined over more than a decade. The platform uses the same core software across supported applications, with adjustments for chipset-specific interfaces, improving software reuse, development efficiency, stability and compatibility across global communication environments.

The product supports multiple communications chipsets to reduce dependence on a single component and mitigate supply chain risk. The company also said real-vehicle testing verified stable data transmission and reception in high-temperature conditions. LG aims to position the system as a communications infrastructure for software-defined vehicles, supporting over-the-air updates, V2X and autonomous-driving data transmission.

This content may be AI-assisted and is composed, reviewed, edited and approved by Mobility Global.

CONTACTS

The Americas

+1 877 863 1306

Europe, Middle East & Africa

+44 20 7176 1234

Asia-Pacific

+852 2533 3565

www.mobilityglobal.com

Copyright © 2026 Mobility Global. All rights reserved.

These materials, including any software, data, processing technology, information, research, forecasts, model, software or other application or output described herein, or any part thereof (collectively the “Property”) constitute the proprietary and confidential information of Mobility Global Inc. and its affiliates (each and together “Mobility Global”) and/or its third-party provider licensors. Mobility Global on behalf of itself and its third-party licensors reserves all rights in and to the Property. These materials have been prepared solely for information purposes based upon information generally available to the public and from sources believed to be reliable.

Any copying, reproduction, reverse-engineering, modification, distribution, transmission or disclosure of the Property, in any form or by any means, is strictly prohibited without the prior written consent of Mobility Global. The Property shall not be used for any unauthorized or unlawful purposes. Mobility Global's opinions, statements, estimates, projections, quotes and other analyses are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold, or sell any securities or to make any investment decisions, and do not address the suitability of any security, and there is no obligation on Mobility Global to update the foregoing or any other element of the Property. The Property and its composition and content are subject to change without notice.

THE PROPERTY IS PROVIDED ON AN “AS IS” BASIS. NEITHER MOBILITY GLOBAL NOR ANY THIRD PARTY PROVIDERS (TOGETHER, “MOBILITY GLOBAL PARTIES”) MAKE ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE PROPERTY'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE PROPERTY WILL OPERATE IN ANY SOFTWARE OR HARDWARE CONFIGURATION, NOR ANY WARRANTIES, EXPRESS OR IMPLIED, AS TO ITS ACCURACY, AVAILABILITY, COMPLETENESS OR TIMELINESS, OR TO THE RESULTS TO BE OBTAINED FROM THE USE OF THE PROPERTY. MOBILITY GLOBAL PARTIES SHALL NOT IN ANY WAY BE LIABLE TO ANY RECIPIENT FOR ANY INACCURACIES, ERRORS OR OMISSIONS REGARDLESS OF THE CAUSE. Without limiting the foregoing, Mobility Global Parties shall have no liability whatsoever to any recipient, whether in contract, in tort (including negligence), under warranty, under statute or otherwise, in respect of any loss or damage suffered by any recipient as a result of or in connection with the Property, or any course of action determined, by it or any third party, whether or not based on or relating to the Property. In no event shall Mobility Global be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees or losses (including without limitation lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Property even if advised of the possibility of such damages. The Property should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions.

The Mobility Global logo is a registered trademark of Mobility Global, and the trademarks of Mobility Global used within this document or materials are protected by international laws. Any other names may be trademarks of their respective owners.

The inclusion of a link to an external website by Mobility Global should not be understood to be an endorsement of that website or the website's owners (or their products/services). Mobility Global is not responsible for either the content or output of external websites.