## Two-Wheeler Digital Connected Cluster

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The two-wheeler connected digital cluster reference platform delivers high-performance graphics and a rich connectivity experience for an advanced two-wheeler driving experience. It enables three-way Bluetooth pairing between the phone, the two-wheeler's digital cluster and the rider's headphones for advanced connectivity, safety and personalized services. Other features include OpenVG vector graphics and a rich multimedia experience with secure vehicle access and vehicle location. By pairing NXP's high performance i.MX RT1170 crossover MCU with the highly integrated AW611 single-chip Wi-Fi® 6 and Bluetooth®/Bluetooth Low Energy Audio connectivity solution together with the KW45 secure wireless access MCU, our better together reference platform delivers a highly cost-effective system. This platform extends connected and intelligent digital experiences beyond vehicles — delivering the future of two-wheel mobility.

## Two-Wheeler Dashboard with RT1170 MCU Block Diagram

Recommended Products for Two-Wheeler Dashboard with RT1170 MCU	
BLE	・KW45: KW45: 32位Bluetooth <sup>®</sup> 5. 3,远程MCU,带CAN FD和LIN总线选项, Arm <sup>®</sup> Cortex <sup>®</sup> -M33内核
мси	• i.MX-RT1170: i.MX RT1170: 1GHz跨界 <sub>MCU</sub> ,配备Arm <sup>®</sup> Cortex <sup>®</sup> 内核
Wi-Fi / Bluetooth	<sup>●</sup> AW611: 2.4/5 GHz双频1x1 Wi-Fi <sup>®</sup> 6 (802.11ax) + Bluetooth <sup>®</sup> 5.4汽车解决方案
CAN PHY	• TJA1044: 具备待机模式的高速CAN收发器——Mantis系列

View our complete solution for Two-Wheeler Digital Connected Cluster.

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