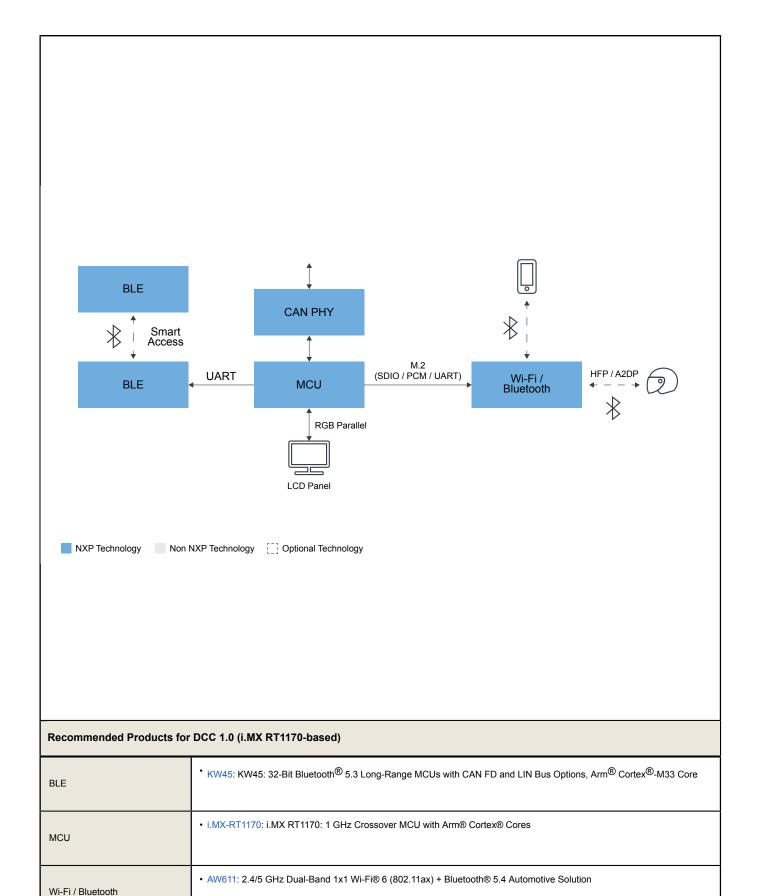


Two-Wheeler Digital Connected Cluster

Last Updated: Mar 11, 2025

The two-wheeler digital connected cluster (DCC) reference platform delivers high-performance, automotive-grade, graphics and rich connectivity experience for an enhanced two-wheeler driving experience. Our advanced DCC is powered by the i.MX 95 processor, providing Al/ML acceleration and Functional Safety capabilities for digital clusters targeting mid- to high-end two-wheelers, while the i.MX RT1170 crossover MCU, which powers our entry level DCC, enhances connectivity and multimedia experiences at low costs. This combination enables features such as three-way Bluetooth pairing, secure vehicle access, and phone projection capabilities for a seamless and intelligent riding experience.

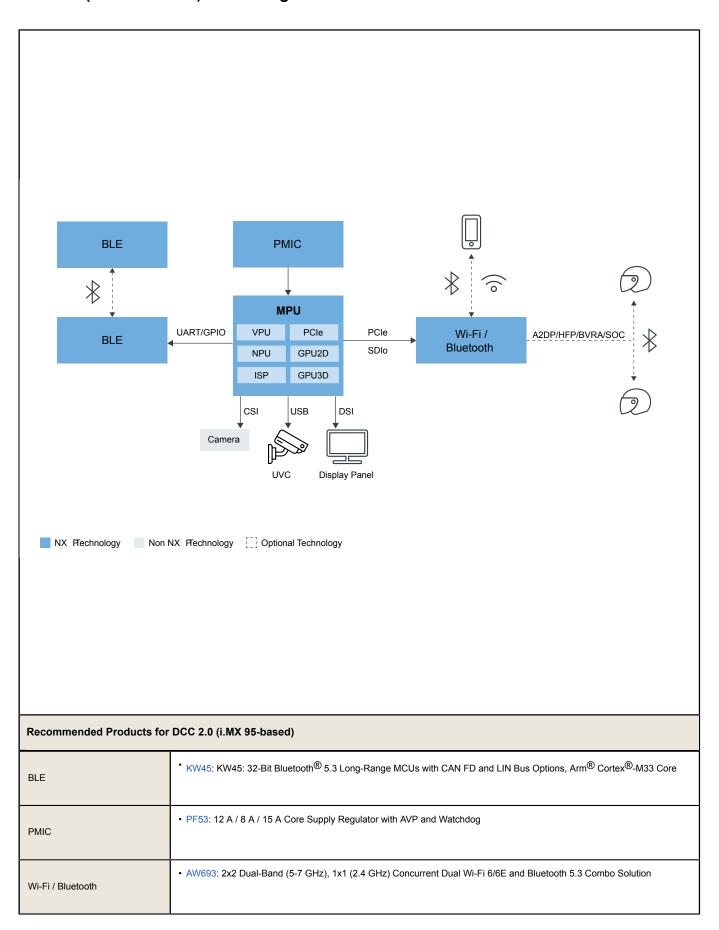
DCC 1.0 (i.MX RT1170-based) Block Diagram



• TJA1044: High-Speed CAN Transceiver with Standby Mode - Mantis Family

CAN PHY

DCC 2.0 (i.MX 95-based) Block Diagram



MPU	• i.MX95: i.MX 95 Applications Processor Family: High-Performance, Safety Enabled Platform with elQ [®] Neutron NPU
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View our complete solution for Two-Wheeler Digital Connected Cluster.

Note: The information on this document is subject to change without notice.

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