



i.MX 93W Integrated Wireless Applications Processor: Dual Arm® Cortex®-A55, AI/ML Accelerator, Wi-Fi 6 + BLE + 802.15.4 Tri-Radio

IMX93W **NEW**

Preproduction

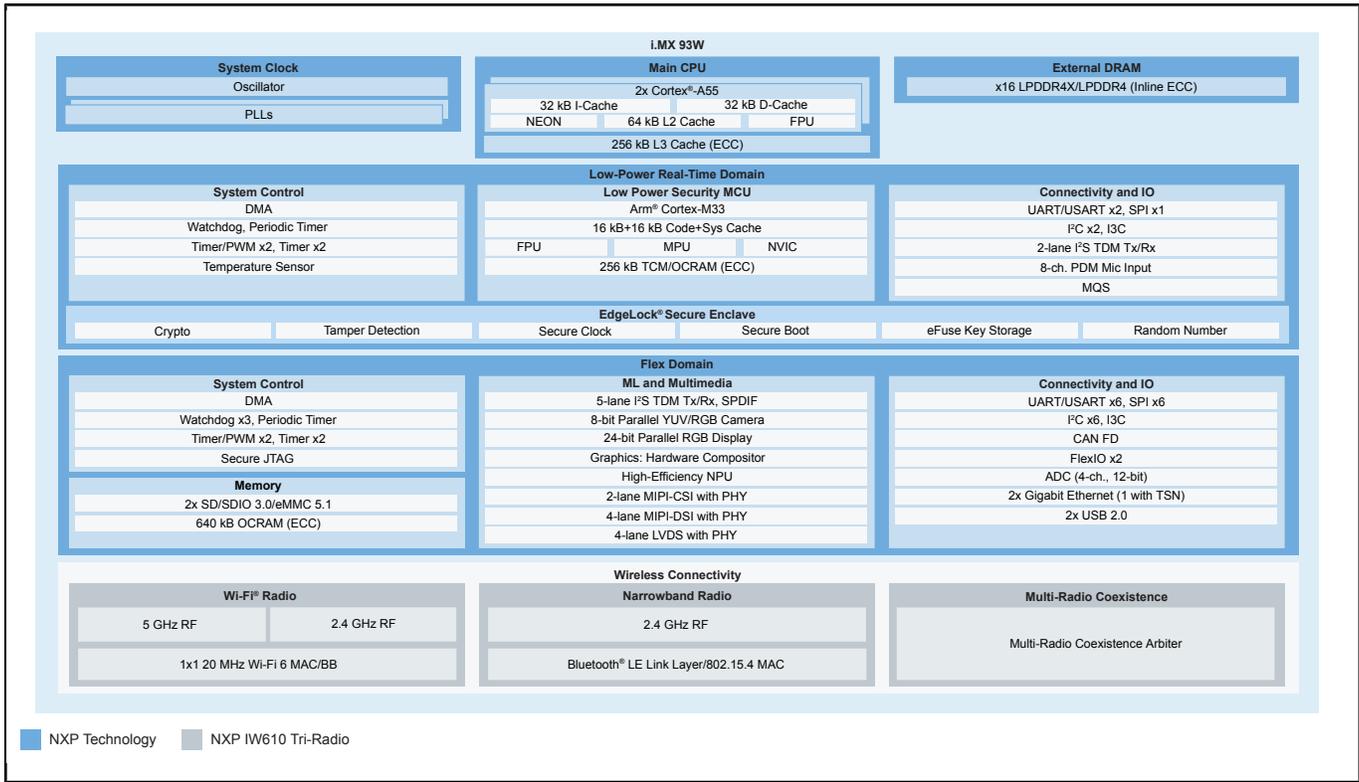
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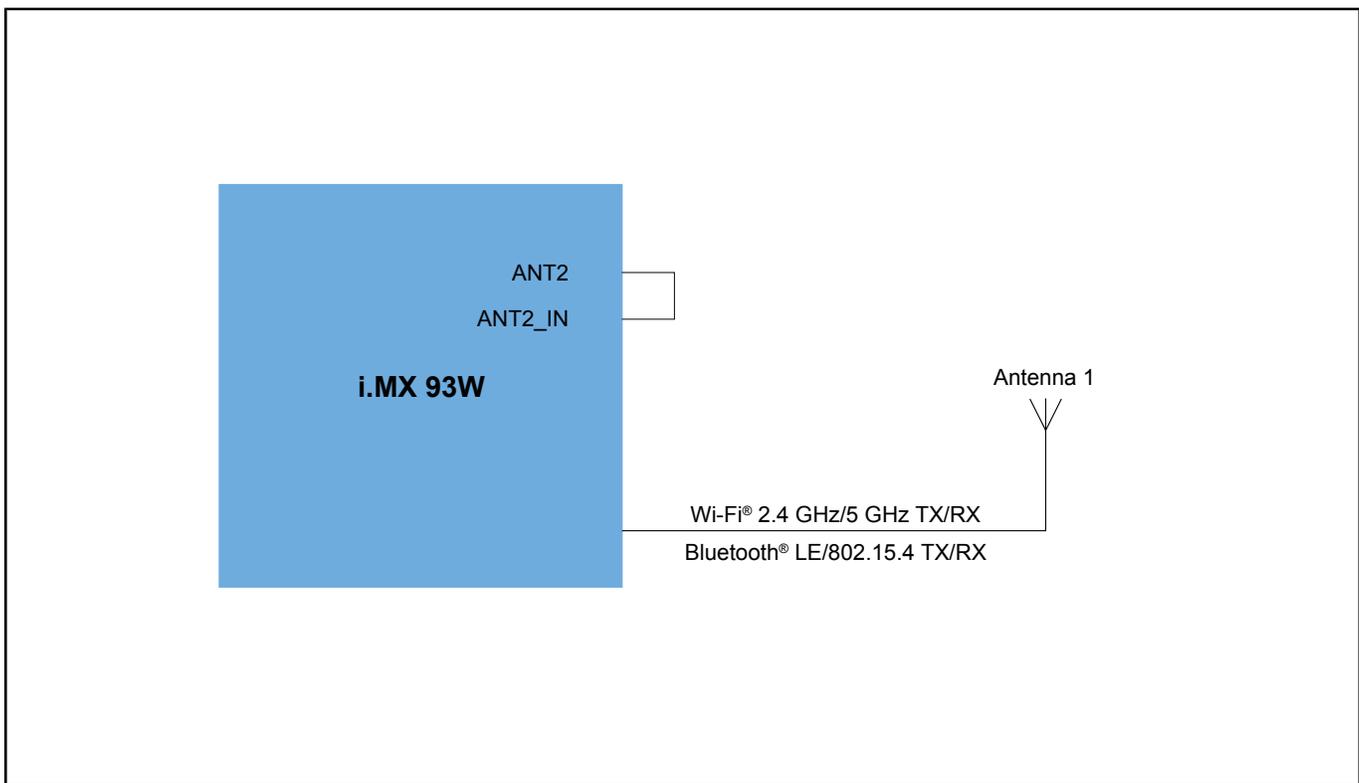
The i.MX 93W brings compute and connectivity together by integrating the i.MX 93 applications processor, the IW610G tri-radio and the complete IW610G radio bill of materials (BOM) —covering - covering passives, crystal and radio frequency (RF) front-end—into a single package. Featuring Arm® Cortex®-A55 and Cortex®M33 cores, an EdgeLock® Secure Enclave, dedicated neural processor (NPU), dual-band Wi-Fi 6, Bluetooth® Low Energy (LE) and 802.15.4.

This integration simplifies RF design, speeds certification and time-to-market. It also reduces size and supply-chain complexity by replacing up to 60 discrete components with a single, pre-validated solution.

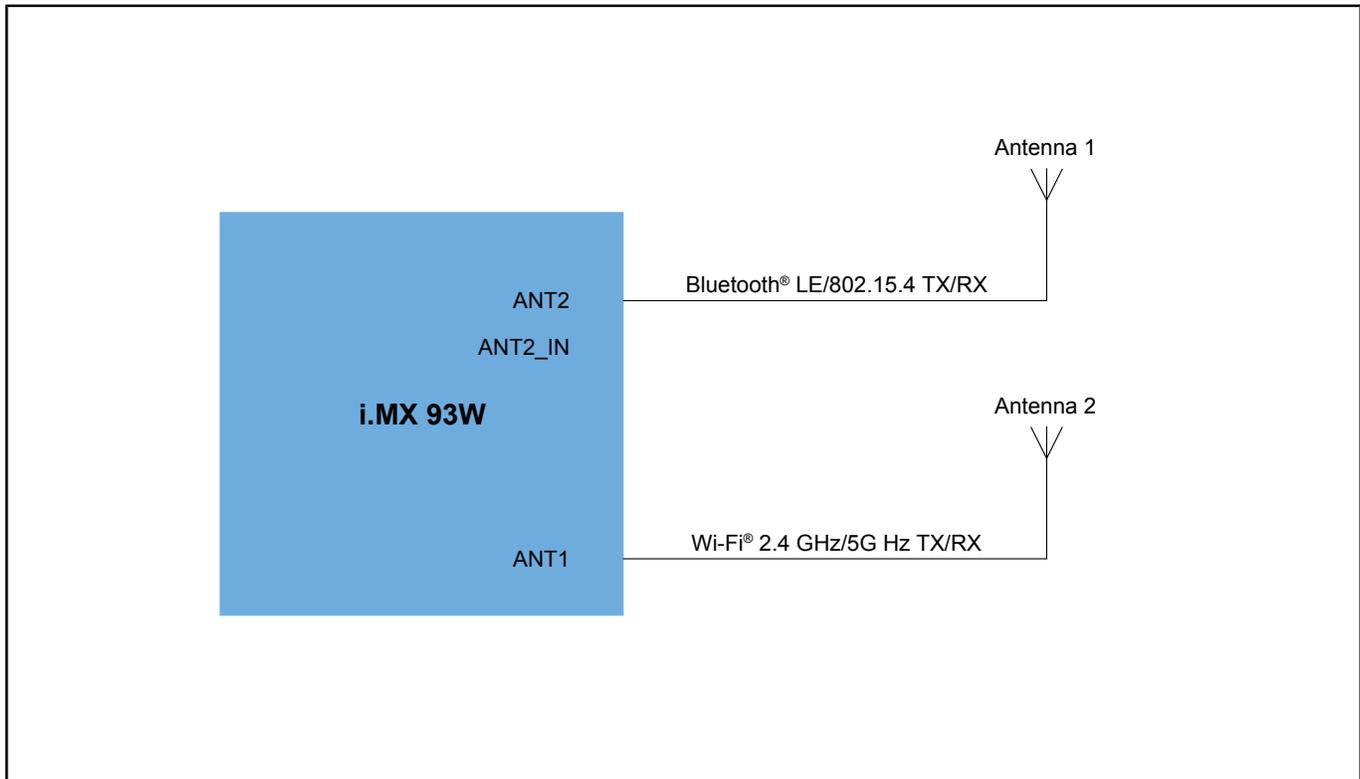
i.MX 93W Internal Block Diagram Block Diagram



i.MX 93W Single Antenna Application Diagram Block Diagram



i.MX 93W Dual Antenna Application Diagram Block Diagram



View additional information for [i.MX 93W Integrated Wireless Applications Processor: Dual Arm® Cortex®-A55, AI/ML Accelerator, Wi-Fi 6 + BLE + 802.15.4 Tri-Radio](#).

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