



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

IMX93W

Preproduction

This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information [contact support](#) or your sales representative.

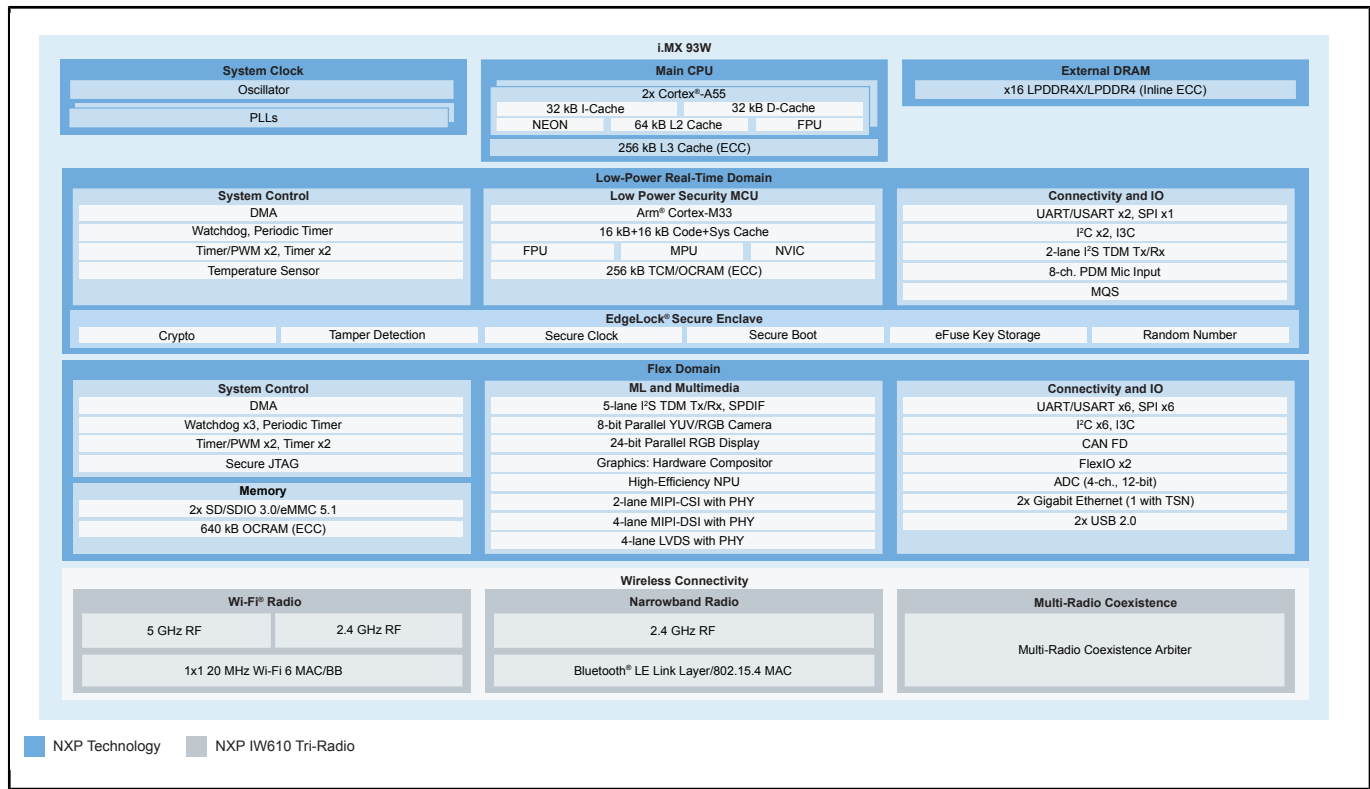
Last Updated: Apr 13, 2026

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.

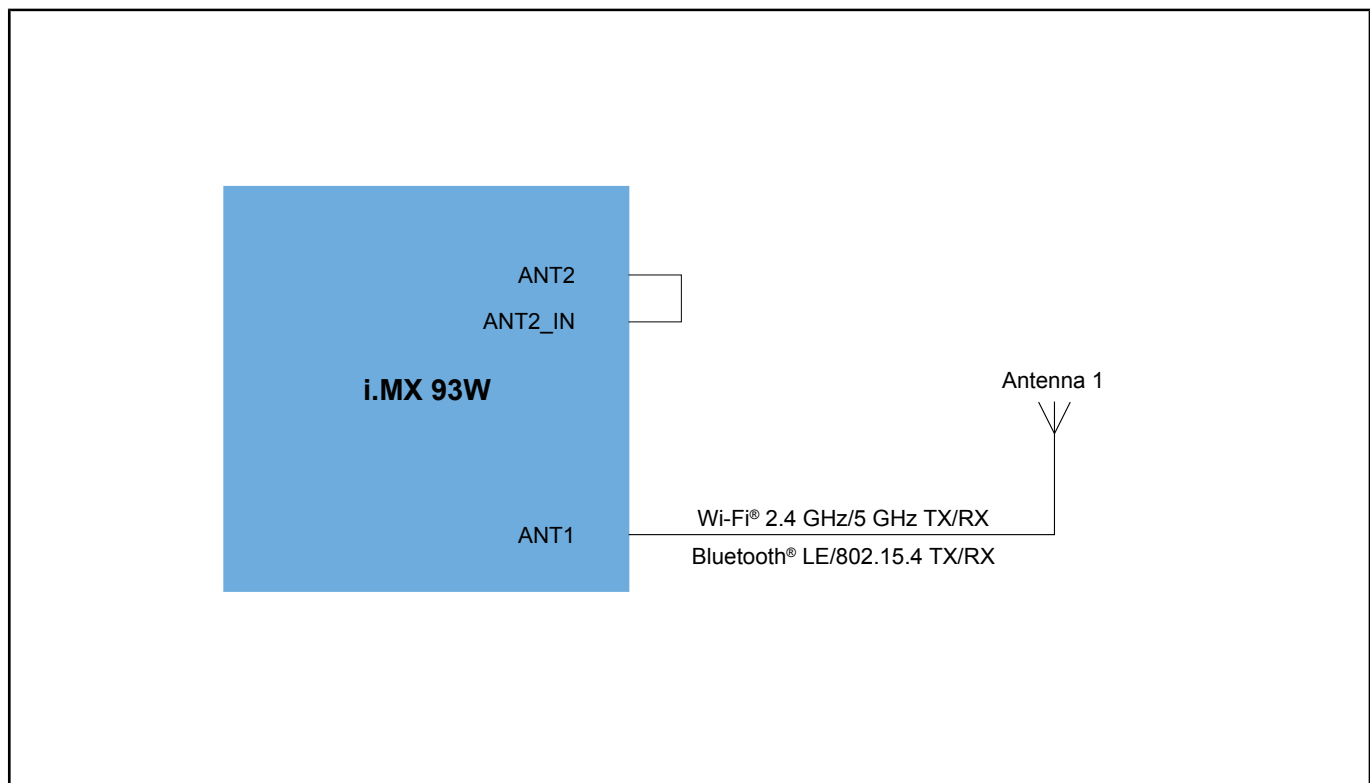
This integration simplifies RF design, speeds certification and time-to-market. It also reduces size and supply-chain complexity by replacing up to 60 discrete components with a single, pre-validated solution.

The i.MX 93W processor will be available in Q2 2027.

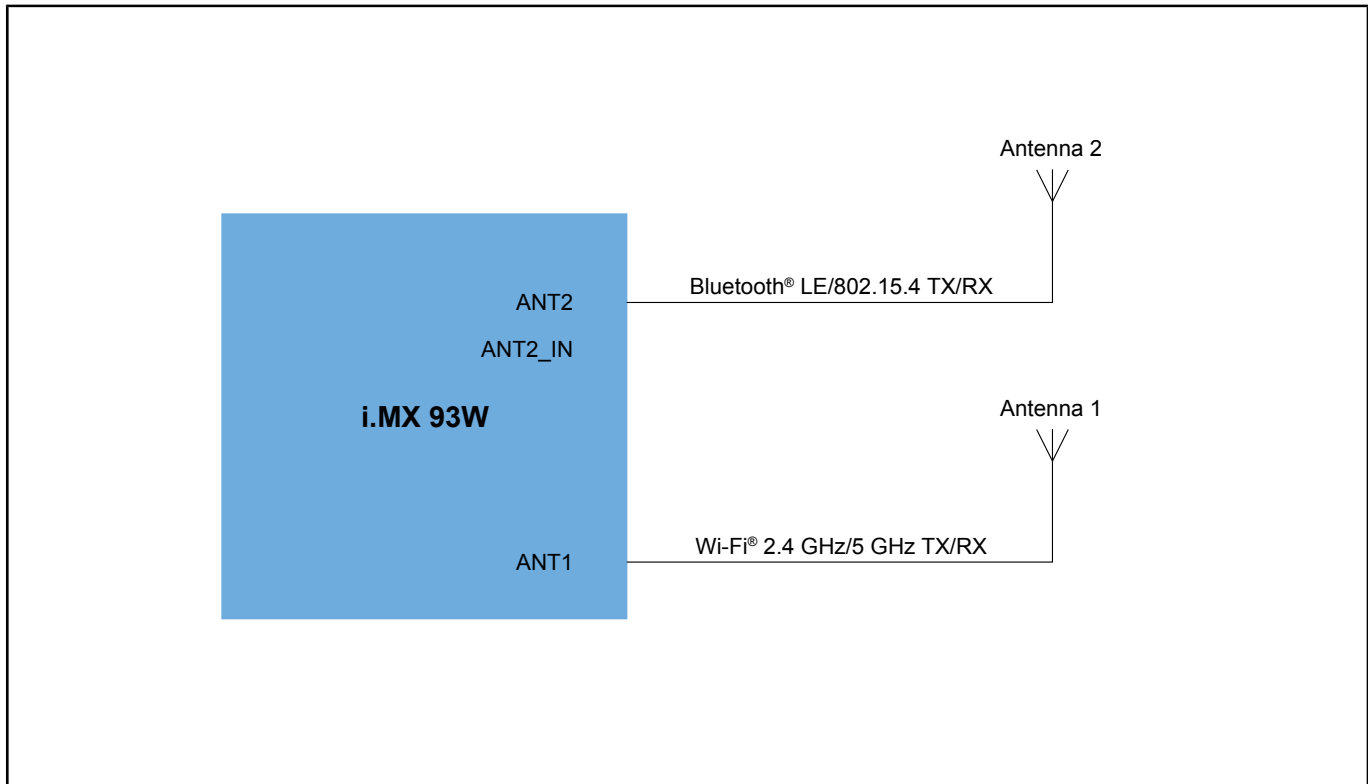
i.MX 93W Internal Block Diagram Block Diagram



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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