



# **2.4/5 GHz Dual-Band 2x2 Wi-Fi® 6 (802.11ax) + Bluetooth® 5.1 Solution**

## **IW620**

Last Updated: Oct 21, 2025

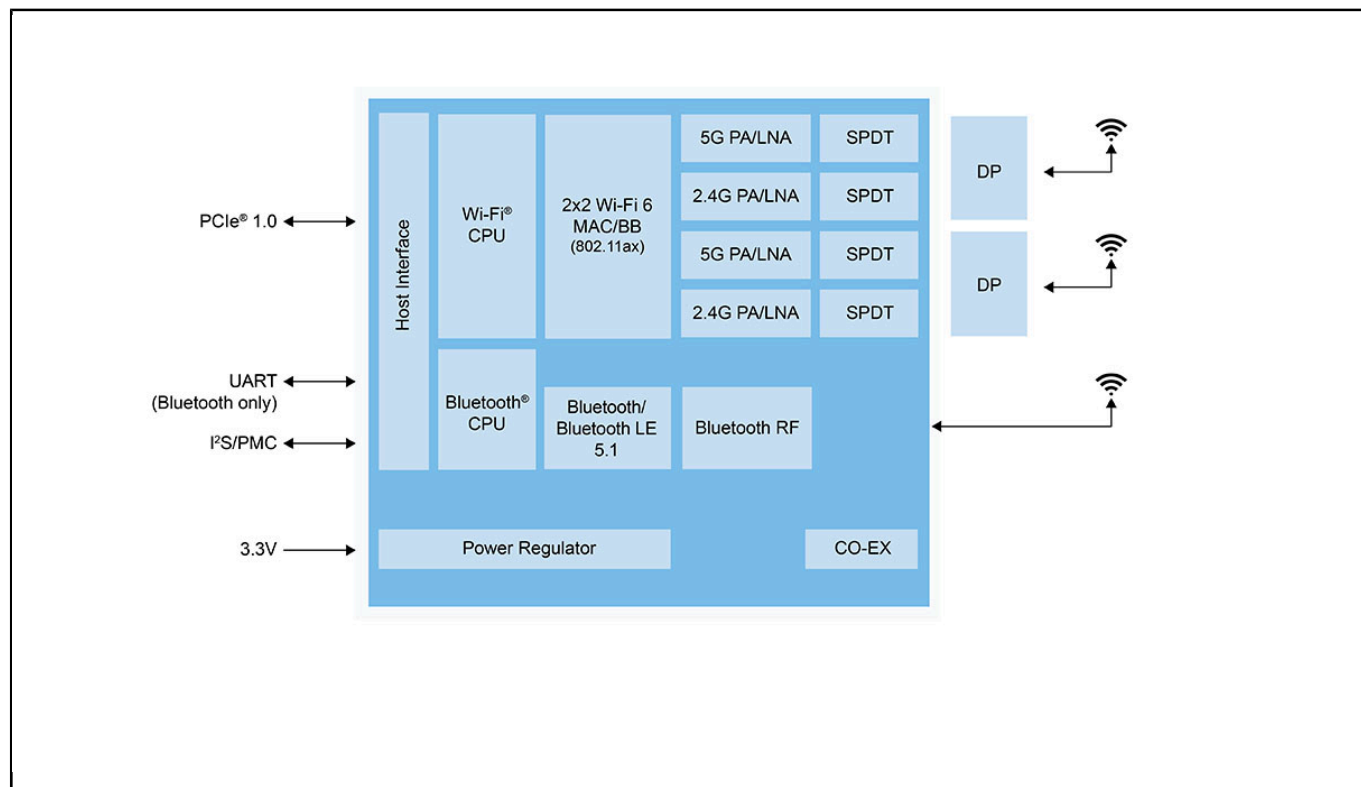
The IW620 is NXP's advanced 2x2 Wi-Fi 6 (802.11ax) combo solution supporting dual-band Wi-Fi and Bluetooth 5.1 operation. The IW620 features an advanced low-power radio architecture with extensive RF integration - including dual-band power amplifiers (PAs), low noise amplifiers (LNAs) and RF switches – to enable low power consumption and minimal BOM/PCB area for high-performance IoT applications.

Key advantages include:

- Enhanced Wi-Fi 6 MU-OFDMA and MU-MIMO support
- Low power Wi-Fi standby with Wi-Fi 6 target wait time (TWT) support
- Advanced active channel scanning
- PA and PMU integration for minimal BOM and PCB area
- Individual power down for WLAN and Bluetooth / Bluetooth LE radios

Wireless modules based on the NXP IW620 are offered by leading module manufacturers.

## IW620P Block Diagram Block Diagram



View additional information for [2.4/5 GHz Dual-Band 2x2 Wi-Fi® 6 \(802.11ax\) + Bluetooth® 5.1 Solution](#).

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

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