



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

IW620

Last Updated: Mar 26, 2024

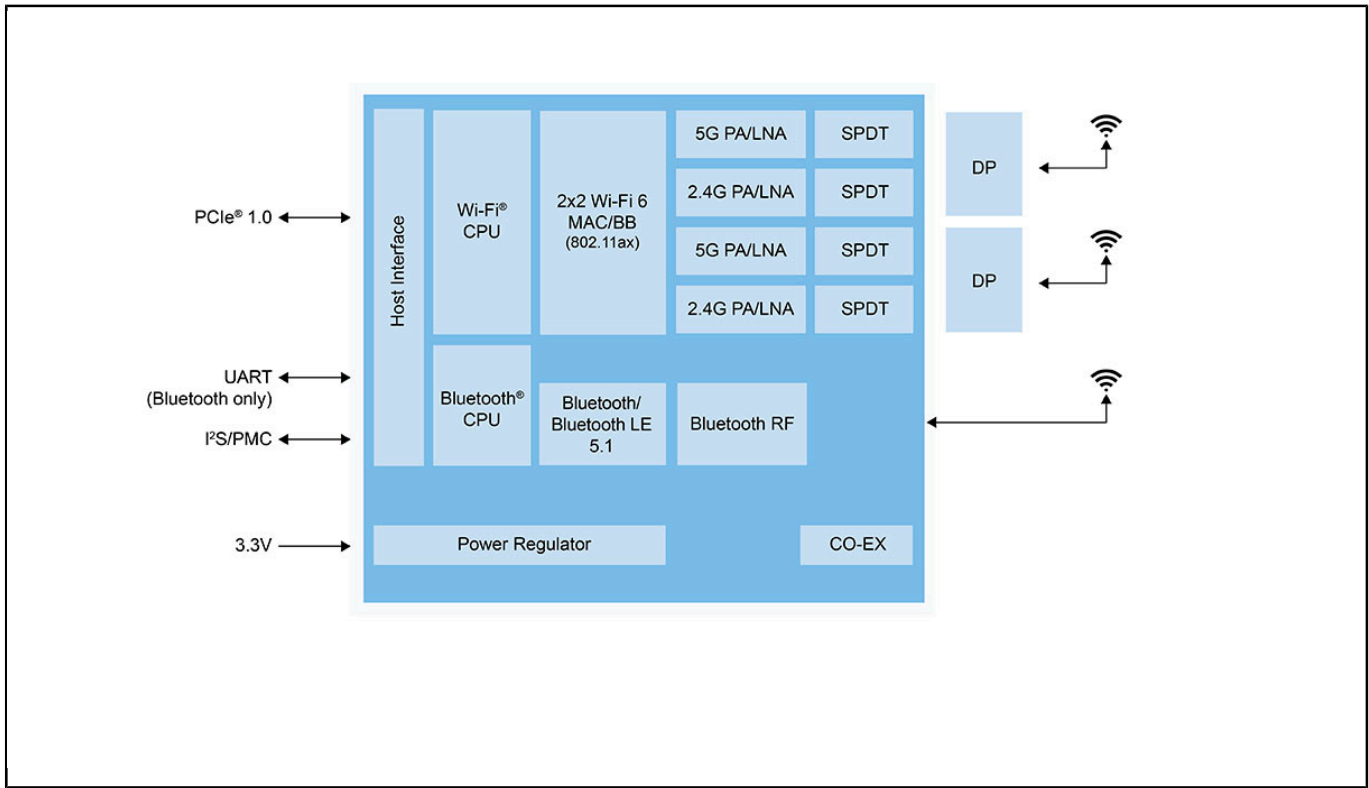
The IW620 is NXP's advanced 2x2 Wi-Fi 6 (802.11ax) combo solution supporting dual-band Wi-Fi and Bluetooth 5.1 operation. The IW620 features an advanced low-power radio architecture with extensive RF integration - including dual-band power amplifiers (PAs), low noise amplifiers (LNAs) and RF switches – 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.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.