

## WLAN Chip Sets



Atheros announces two chip sets featuring technologies to extend the range and reduce the power consumption of 802.11 wireless networks. Atheros' AR5004 chip set family includes dual-band 802.11a/b/g and single-band 802.11b/g designs. The AR5004G supports 802.11b and 802.11g in the 2.4 GHz band from 2.300 to 2.500 GHz. The AR5004X adds support for 802.11a in the 5 GHz band from 4.900 to 5.850 GHz, thus enabling tri-mode or universal WLAN products. The AR5004X meets international requirements for WLAN operation based on the draft 802.11h and 802.11j standards. Both chip sets include support for emerging security standards such as Wi-Fi Protected Access (WPA) and draft 802.11i Advanced Encryption Standard (AES), and draft 802.11e Quality of Service enhancements. A single driver and firmware code base supports all Atheros chip sets, and provides both backward and forward compatibility with Atheros' previous and next-generation multi-standard designs.

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