WFB400™ 802.11n Chipset Solution

4th generation MIMO technology sets new standards

QUALCOMM's 802.11n Chipset Solution for wireless LAN sends and receives data at up to 300 Mbps—much faster than 100 Mbps wired Ethernet solutions. Products based on this 4th generation MIMO (multiple input multiple output) technology set new standards for throughput, range, reliability and power consumption—transforming the world of wireless networking and enabling new applications in the home, at the office, and on the road.

The highly integrated Chipset—combining WFB4030™ MAC/Baseband with WFR4031™ dual-band radio—represents a complete IEEE 802.11n wireless solution. QUALCOMM's patented multi-radio technology delivers significantly improved performance by transmitting multiple signals on the same channel at the same time, and leveraging multipath signals (reflections of the original radio transmission) to dramatically improve range and reliability. QUALCOMM's 802.11n chipset multiplies both data rates and reliable coverage area optimizing the use of valuable radio spectrum, and maximizes useful system throughput with speeds up to 144 Mbps in a legacy 20-MHz channel and up to 300 Mbps in a "neighbor friendly" 802.11n compliant 40-MHz channel.

The WFB400 chipset offers an unprecedented level of interoperability, backwards compatibility, and global regulatory compliance with complete support for the IEEE 802.11n standard and Wi-Fi Alliance interoperability certification program.

HIGHLY INTEGRATED · OPTIMIZED FOR PERFORMANCE · SECURE · POWER EFFICIENT
MAXIMUM INTEROPERABILITY & BACKWARDS COMPATIBILITY

PERFORMANCE

- Up to 30X faster than legacy 802.11a/b/g products
- Up to 300% better coverage than legacy 802.11 a/b/g products
- At least 30% performance improvement when used on just one end of the wireless link

INTEROPERABILITY

- Highly integrated with low power consumption for mobile applications
- Government-grade security including WEP, WPA™ (TKIP/AES) and WPA2™ (TKIP/AES)
- 100% Wi-Fi® a/b/g/n interoperable and backwards compatible

QUALCOMM® CDMA Technologies