

Description of Operation

Envira's EN202 is a highly integrated, triple mode Wireless LAN (WLAN) MAC and baseband processor that is compatible with IEEE's 802.11a, 802.11b, and 802.11g (mandatory version) standards.

The EN202 includes two different modems; an Orthogonal Frequency Division Multiplexing (OFDM) modem, and a Direct Sequence Spread Spectrum / Complementary Code Keying (DSSS/CCK) modem. The OFDM modem is compatible with the IEEE 802.11a and IEEE 802.11g (mandatory mode) standards that supports multiple data rates of up to 54 Mbps. The DSSS/CCK modem is compatible with the IEEE 802.11b standard that supports multiple data rates of up to 11 Mbps. These two modems share numerous hardware blocks in order to implement a low cost design. This allows the EN202 to operate as either an OFDM modem, or as a DSSS/CCK modem. Furthermore, the EN202 includes an ARM7 processor core that controls the dedicated dual-protocol modem hardware.