

Description of Product: ME2

The BreadCrumb ME2 is an 802.11G 2.4Ghz Direct Sequence Spread Spectrum single radio transceiver that provides wired and wireless data communications. It is designed for Professional and OEM applications as a standalone radio system.

The unit provides communication using data packets transmitted at a rate of 1Mbit BPSK, 2Mbit QPSK, 5.5Mbit, 11Mbit CCK, 6Mbit, 12Mbit, 18Mbit, 24Mbit, 32Mbit, 36Mbit, 48Mbit, 54Mbit OFDM. The data packetization operations are under the control of a MAC processor and by the software driver on the embedded computer module assembly.

The device can simultaneously route data between one radio interface and a single Ethernet port on the device. The device outputs a 26dBm maximum RF signal out of the radio module.

The ME2 houses processor module and daughterboard and a radio module.

The radio module is a 802.11b/G radio card.

The antenna system tested regardless of frequency is a 5dBi gain omni-directional antenna.

There is USB Port capable of loading firmware images into the unit and to support key fill operations.