

Description of Product: SE

The BreadCrumb SE is an 802.11 2.4Ghz Direct Sequence Spread Spectrum dual 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, 2Mbit, 5.5Mbit, or 11Mbit per second. 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, two radio interfaces, and an Ethernet port on the device.

The SE houses a single board computer, radio modules, and two internal 2dBi omni-directional antennas.

The SE can be operated with the internal antennas only, or one of the internal antennas may be disconnected and an external antenna may be attached to the external antenna port through a length of coax.

The antenna systems tested were:

- 12dBi omni-directional antenna (od24-12)
- 7dBi magnetic mounted omni-directional antenna (MA24-7)
- 3dBi omni-directional “cupcake” antenna (WFP0200507)
- 9dBi 120 degree sector antenna (SA24-9)

The Frequency of operation is 2400 – 2485.