

2. Overview

2.1 Application Descriptions

The CDMA Wireless Data Modem is a complex consumer communications instrument that relies heavily on both digital signal and embedded processor technologies. The Wireless Data Modem manufactured by AnyDATA.NET supports Code-Division-Multiple-Access(CDMA). This operates in PCS spectrum.

In a continuing effort to simplify the design and to reduce the production cost of the Wireless Data Modem, AnyDATA.NET has successfully developed the EMIII-DUAL. The EMIII-DUAL is AnyDATA.NET's latest compact Wireless Data Modem operating in PCS spectrum, also contains complete digital modulation and demodulation system for CDMA standards as specified in IS-95 A/B and IS-2000.

The subsystem within the EMIII-DUAL includes a CDMA processor (MSM5100), an integrated CODEC with an ear piece and microphone amplifiers, and an RS-232 serial interface supporting forward link data communications of a rate of 153.6kbps.

The EMIII-DUAL provides external interface. External interface includes the standard RS-232, Digital Audio, and External On/Off control.

The EMIII-DUAL has the capability to power down unused circuits in order to dynamically minimize power consumption.