

iCell Pico BTS 800MHz Operational Description

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The iCell BTS CDMA2000 1X core module provides a one CDMA carrier support for one, two or three sector operation.

The Pico BTS is limited to 100mWatts per sector. It supports up to three sectors.

The Pico BTS module can operate as a standalone Cellular transceiver. It requires a single external Ethernet interface for communication with a BCS server and a connection to an external 5.2v DC, 50watt power supply.

The Pico BTS module can also be installed into various enclosures which are normally 1U 19” rack mount type. The enclosures contain power supply, fans, and an I/O protection circuit for the RJ45 jacks. There is also a circuit board used to extend the alarm LEDs of the Pico module to the front panel via a ribbon cable.

The iCell BTS is designed to comply with the IS-97D standard for base stations for Band Class 0 (Cellular Band)

Pico BTS Block Diagram:

