CC

The Control Card of Digital Radio is the Master Controller for the entire radio by configuring and commanding various modules of the radio and provides user interface through Front Panel and Remote Control.

Specifications

Design of Control Card is based on Xilinx Virtex 4 XC4VSX35 FPGA.
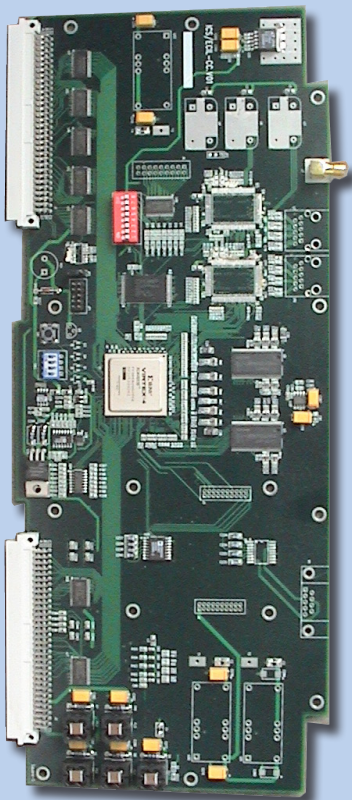
The functions of Radio Controller are as follows

1. Implementing Man Machine Interface (MMI)
   It includes interfacing
   a) Keyboard
   b) Remote Control Unit (RCU)
2. Configuring the Radio
3. Initiates Built In Test
4. Provides LEDs / Display for visual indications for status and health of the radio

The Control Card is interfacing with

   a) BBP
   b) Synthesizer
   c) RF Module
   d) MIKE
   e) Key Board and Display

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2. Configuring the Radio
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4. Provide LEDs/Display for visual indications for status and health and radio
5. Interfacing ECCM(Frequency Hopping scheme)

NOTE : The specifications can be changed without notice due to technological advances.