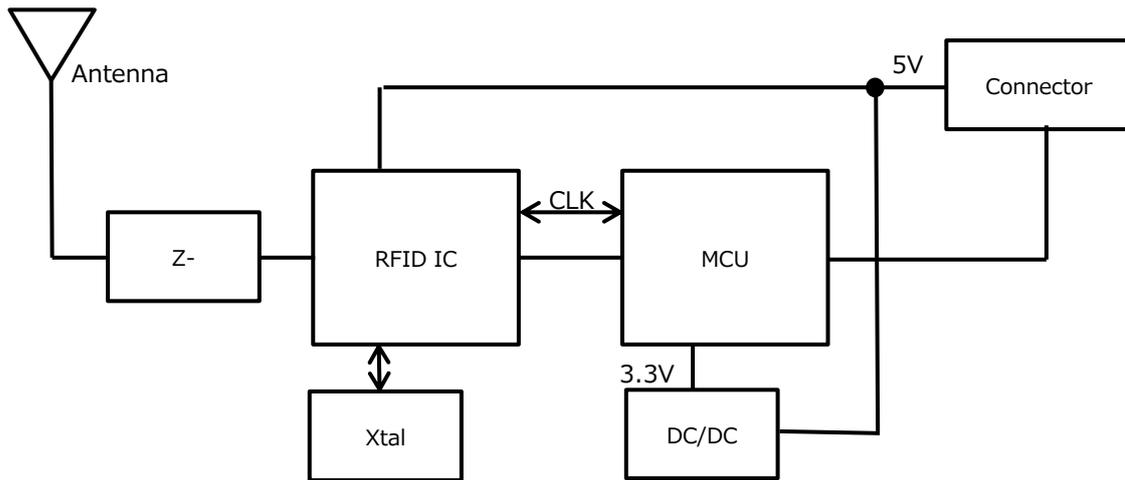


## Block Diagram



5V power supply is supplied through a connector from outside.

5V power supply is supplied RFID IC.

3.3V power supply is generated from 5V through the inner DC/DC convertor.

5V power supply is supplied MCU.

Send and receive data is sent through a connector from outside.

Data communication between MCU and the RFID IC is synchronous with internal clock, and is performed.

The internal clock (=13.56MHz) is generated by a crystal oscillator.

Output level of a transmitter is 100mW (20dBm). Modulation system is OOK.

Data transmission comprises encoding for ISO15693 at RFID IC.

After parity checked, recieved data is decoded and is sent to MCU via FIFO register.