

The main features of NFCT are the following:

- NFC-A listen mode operation:
  - 13.56 MHz input frequency
  - Bit rate 106 kbps
- Wake-on-field low power field detection (SENSE) mode
- Frame assemble and disassemble for the NFC-A frames specified by the NFC Forum
- Programmable frame timing controller
- Integrated automatic collision resolution, cyclic redundancy check (CRC), and parity functions

With appropriate software, the NFCT peripheral can be used as the listening device NFC-A as specified by the [NFC Forum](#).

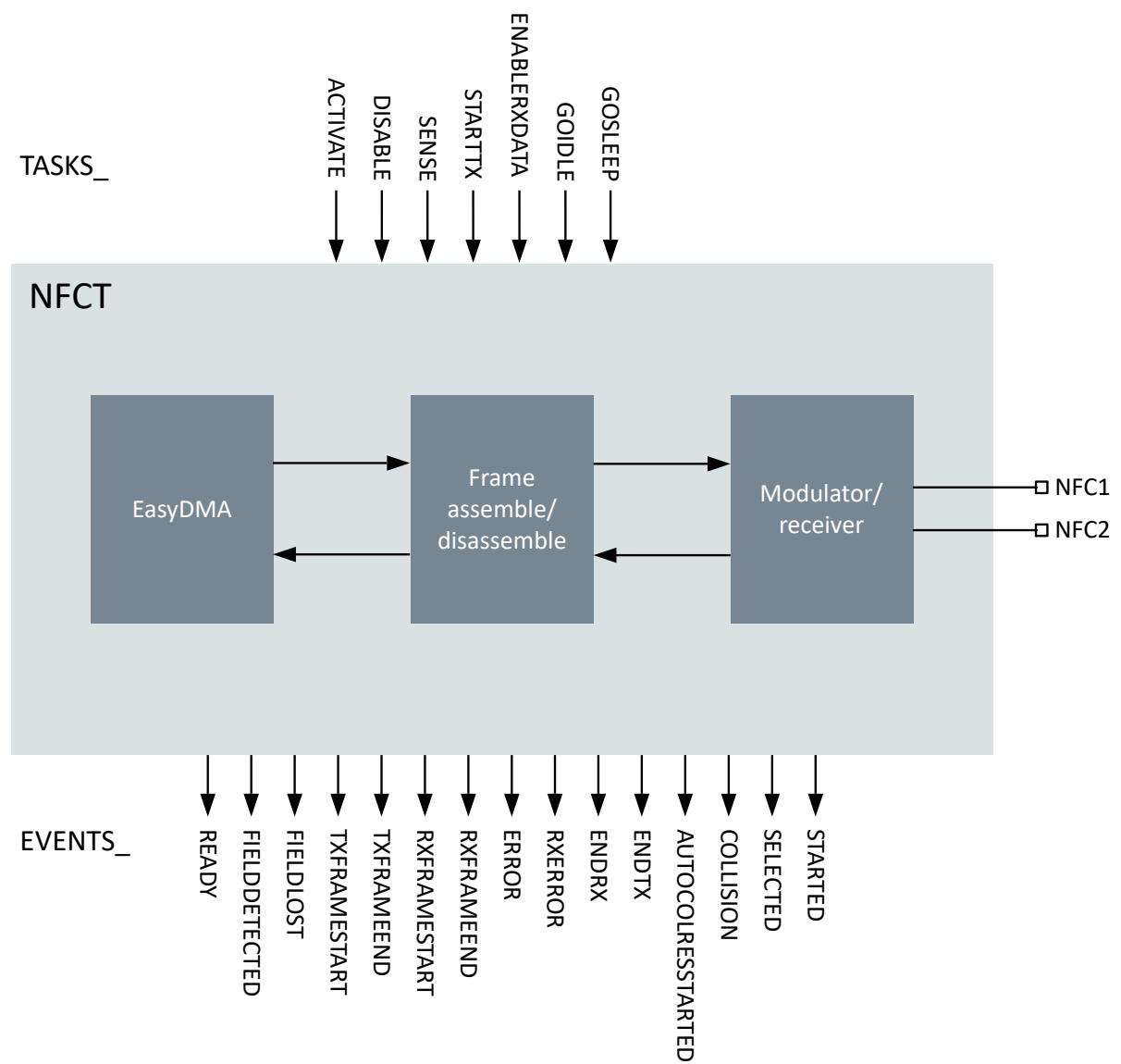


Figure 86: NFCT block diagram

### 8.13.1 Overview

The NFCT peripheral contains a 13.56 MHz AM receiver and a 13.56 MHz load modulator with 106 kbps data rate as defined by the NFC Forum.