

GUI
for GBTX
& GBT-SCA

Normal packet: in format of bytes
With address and registers value included

To be done

For IC & EC

ICEC_FELIX_V1P2_KC

Front-End

GBT-SCA

2 bits
(not limited
to be EC bits)

GBTX

Software

HDLC library (python)

Parity gen/chk (IC)
CRC gen/chk (EC)
Bit stuffing/de-stuffing

Done

TX HDLC Packet

RX HDLC Packet

FELIX

PCIe register space

TX HDLC Packet

RX HDLC Packet

1. Shift the TX HDLC packet to the 2 bits to GBT when the TX is triggered.
2. Shift the 2 bits from GBT to RX packet when the received data is useful

For EC

Shifter for IC

FELIX
GBT
Wrapper

2

2

IC