

# CXPI: Event Trigger – Slave – PWM Mode

## › **Description:**

- This example demonstrates CXPI transmission in Event Trigger method.
- TVII acts as a slave node of CXPI network.

## › **Target Device:**

- Traveo-II CYT2B9x devices

## › **CPU Board:**

- CYTVII-B-E-1M-176-CPU Rev. C Board
- CYTVII-B-E-BB Rev.A Board

## › **Dependency:**

- CYTVII-B-E-1M-176-CPU board should be connected on CYTVII-B-E-BB board.
- Open J60, J62, J63 on the base board. Short J58 on the base board.
- Connect following pins on the base board
  - (RX) JP5.9 to J63.2, (TX) JP5.7 to J60.2, (EN) JP7.17 to J62.1
- Connect LIN0 connector (P5 upper one) on the base board and CXPI analyzer if available.

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### › Expectation:

- Scheduled frames: Tester send PIDs according to below schedule

No.	ID	PID transmitter	Response transmitter	Frame length (byte)	Frame interval
1	0A	CXPI analyzer	CXPI analyzer	8	100ms
2	4A	CXPI analyzer	TVII	8	100ms
3	0F	CXPI analyzer	CXPI analyzer	16	100ms
4	4F	CXPI analyzer	TVII	16	100ms

 TVII copy the response and send back to tester

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- Event frames: Press SW1, TVII send PID = 0x4D and response to tester

No.	ID	PID transmitter	Response transmitter	Frame length (byte)
5	4D	TVII	TVII	8

- Press SW2, TVII send PID = 0x5D and request response from PX-10

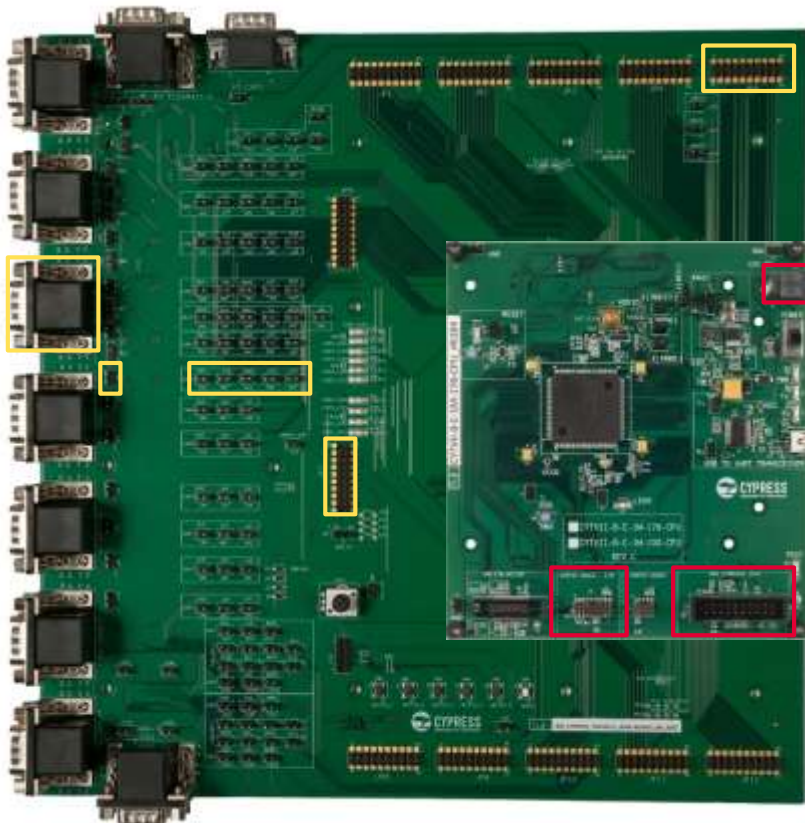
After receiving response from PX-10, TVII send back data with PID increased by 1

No.	ID	PID transmitter	Response transmitter	Frame length (byte)
6	5D	TVII	CXPI analyzer	24
7	5D	TVII	TVII	24

 TVII copy the response and send back to tester

- CXPI analyzer :If you have PX-10 CXPI analyzer, you can use cxi\_test.mps for it.

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## > Legend:

- Red block for power, debug and USB (Mandatory)
- Yellow block for the example specific connections