

# RS232-T600

## 🔑 Trojan Description

- 🔑 Trojan trigger is a state machine inserted in the transmitter part of micro-UART core. The state machine seeks the sequence of 8'hAA, 8'h55, 8'h22, and 8'hFF. Activated Trojan sticks xmit\_doneH output signal at '1' and replaces the 7th bit of transmitted data.

## 🔑 Trojan Taxonomy

- 🔑 Insertion phase: Design
- 🔑 Abstraction level: Register-transfer level (RTL)
- 🔑 Activation mechanism: Internally conditionally triggered
- 🔑 Effects: Leakage information and Denial of service
- 🔑 Physical characteristics: Functional

### Functional

The number of Transmitted	Trojan activation	Payload Change	Simulation Length (No. Clock)	Length of each Transmission
954 546	0	0	168 000 000	176