

RS232-T400

🔑 Trojan Description

- 🔑 Trojan trigger compares transmitted and received data, and Trojan become activated if both equal 8'h4C. Trojan payload replaces 4 bits of received data.

🔑 Trojan Taxonomy

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

Functional

The number of Transmitted/Received	Trojan activation	Payload Change	Simulation Length (No. Clock)	Length of each Transmission/Receive
954 545/1 112 583	9	10	168 000 000	176/150