

Board ID Tutorial 2 - Types of Attacks

Introduction

This tutorial is designed to provide an introductory overview of types of security attacks.

Contents

BOARD ID TUTORIAL 2 - TYPES OF ATTACKS	1
INTRODUCTION	1
CONTENTS	1

The table below summarizes key security attacks potentially applicable to an equipment, and shows how authentication solutions improve the protection against such attacks:

	EEPROM	Board ID (includes Renesas migration firmware)	
		Adding authentication to your solution	Enhancing your solution
Traditional EEPROM applications			
Service, warranties (PC)	Weak (security)	Very Strong	Very Strong
Licensing	Weak	Very Strong	Very Strong
Attacks addressed <i>(increasing difficulty)</i>			
Clone/duplicate ID	Weak	Very Strong	Very Strong
Counterfeit chip	Weak	Very Strong	Very Strong
Modify the driver to change the ID being reported to the host	Weak	Very Strong	Very Strong
Execution of secure code with secure data	Weak	Very Strong	Very Strong
Other Security Benefits			
PKI option	No	Yes	Yes
FIPS certifiability	No	Yes	Yes

More Resources

<http://america.renesas.com/boardid>