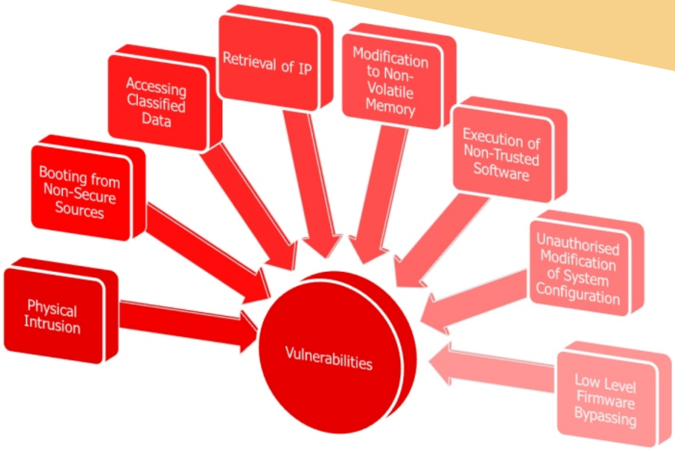
Security Software

TA GRD/nnn

Board Level Security Package for Concurrent Technologies Single Board Computers


Retrieval of IP
Modification to Non-Volatile Memory
Accessing Classified Data
Execution of Non-Trusted Software
Booting from Non-Secure Sources
Unauthorised Modification of System Configuration
Physical Intrusion
Vulnerabilities
Low Level Firmware Bypassing

The primary line of defense against unauthorized access to equipment handling sensitive data is always the physical security of the chassis. However, this alone cannot prevent tampering or interference to the hardware if the equipment falls into hostile hands. In these circumstances additional measures are required to prevent or frustrate attempts to gain access to sensitive data on a secure system.

The Concurrent Technologies Board Level Security Package provides a means to enhance the security of equipment and thus prevent access to sensitive data and key Intellectual Property. The security is implemented on our single board computers using UEFI Secure Boot in combination with deeply embedded proprietary hardware, firmware and software countermeasures.

SPECIFICATION

- Counter measures to prevent against:
  - physical intrusion
  - booting from non-secure sources
  - accessing classified data
  - retrieving sensitive Intellectual Property
  - modifying non-volatile memory
  - executing non-trusted software
  - unauthorized modification of system configuration
  - bypassing low level firmware
  - reverse engineering

HIGHLIGHTS

- Proprietary security features:
  - implemented in hardware, software and firmware
- UEFI Secure Boot
- User configurable:
  - user can tailor the required solution set
  - can be tested in development and locked down prior to deployment
  - option to scrub when taken out of service
- Architectures supported:
  - CompactPCI®, VME, VXS™ and VPX™*
- Operating System support:
  - Linux®, Windows® and VxWorks®*

*Security features supported will be dependant on architecture and Operating System

CONCURRENT TECHNOLOGIES

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