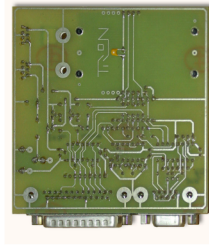




## INTEL Management Engine



**Erfinder:** IBM = CIA

**Jahr:** ~1990

Hardware Backdoor... / Firmware Backdoor:

See:

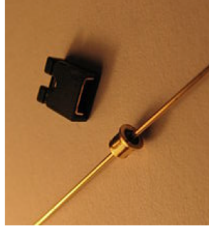
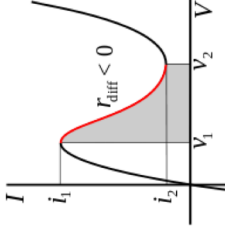
[https://media.ccc.de/v/32c3-7352-towards\\_reasonably\\_trustworthy\\_x86\\_laptops](https://media.ccc.de/v/32c3-7352-towards_reasonably_trustworthy_x86_laptops)

### Use Cases

Go Doggy World-Population and try to find the Backdoors in Microsoft Windows but not in the Hardware...



## Tunnel / Esaki Diode



**Erfinder:** Leo Esaki

**Jahr:** ~1957

A tunnel diode or Esaki diode is a type of semiconductor that is capable of very fast operation, well into the microwave frequency region, made possible by the use of the quantum mechanical effect called tunneling.

### Anwendungsfälle

Like an Electrone Tube, to create High Frequencies / Oscillators