Automobile Hacking and Security

Find vulnerabilities loopholes and security threats in your own vehicle

1.0v

Basic Question is

How to communicate with car?

How to communicate with car?

CAN (Controller Area Network)

What is CAN ?

How CAN Protocol Work?

How can we communicate with CAN with our laptop?

What are the hardware requirements?

Communication Protocols

What is Communication ?

Means of sending or receiving information!

Or

Defined as the transmission of information

Communication Protocols

In terms of embedded systems communication can be done between

- Microcontrollers

- Integrated Circuits

- Peripheral devices etc ...

Communication Protocols

Types of Communication

- **Parallel Communication**

- **Serial Communication**

Parallel Communication Example

Parallel Communication

Examples: ISA, ATA, SCSI, PCI