I²C

An I²C (Inter-Integrated Circuit) module, also known as IIC or I2C, is a versatile electronic component that facilitates communication between microcontrollers and other devices using a two-wire serial bus, offering a simple and robust way to connect peripherals.

The concept of implementing a complex integrated circuit (IC) using the I²C protocol, which is essential for communication between master and slave devices. It explains that one master device can communicate with up to 112 slave devices, allowing for data exchange and control.