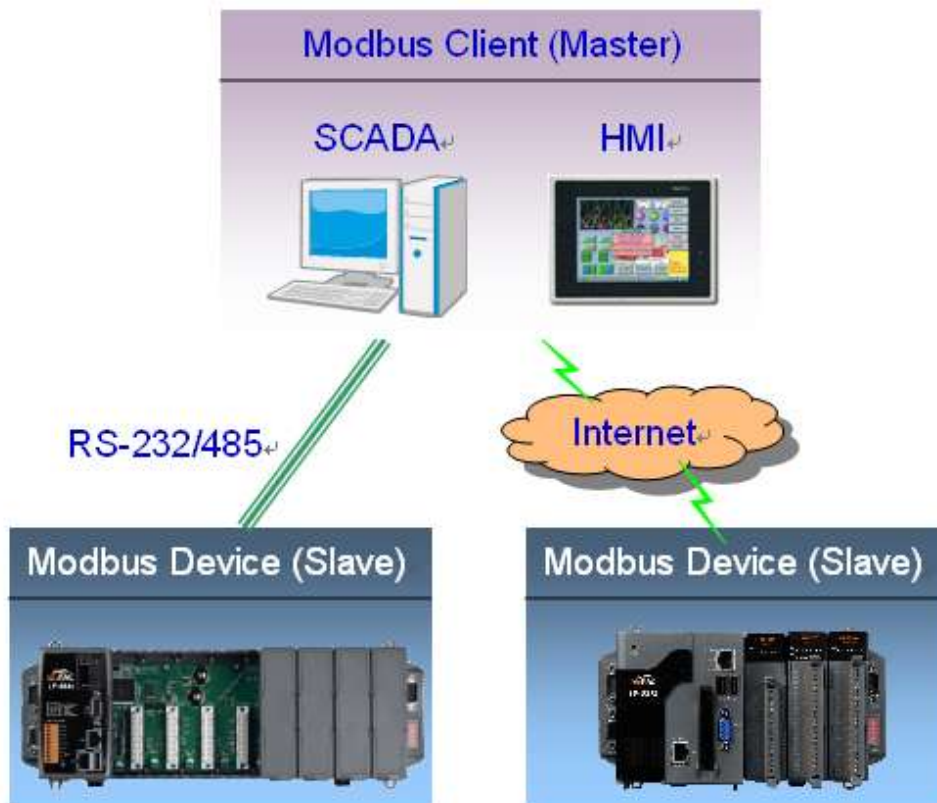# Introduction

Modbus is a communication protocol developed by MODICON Inc. in 1979, and is a standard, truly open and the most widely used network communication protocol in the industrial automation field. In addition, the Modbus protocol is a very widely known protocol in the industrial manufacturing and environment monitoring fields, and suits either master-slave or query-response distributed I/O applications.

The LinPAC controller can use both the Modbus/TCP and Modbus/RTU protocol to communicate with I/O modules in the unit via either the RS-232/485 or Ethernet interfaces, and also supports the Modbus/RTU to Modbus/TCP converter. The LinCon/LinPAC COM port can be set to as gateway mode, and can connect to Modbus/RTU devices. The host PC can link to the Modbus/RTU device using the Modbus/TCP protocol via an Ethernet.

The LinPAC controller also provides a Modbus SDK based on the C language, which can be used to integrate several serial devices. Thus, the controller can be used as either a Modbus/TCP slave or a Modbus/RTU master. The Modbus SDK can not only be used to communicate with Modbus/RTU devices but can also use the easy-to-use register-based programming method.