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Almost all microprocessor based equipment are now fitted with at least one serial interface or one parallel interface or both. Connecting these equipment to a network will bring about resource sharing and as a result less overhead costs.

Directed in the same lines, ISO proposed a seven layer, open system interconnection model which cannot be hundred percent implemented, because no two manufacturers use the same protocols, techniques etc within their devices.

It is proposed to connect devices manufactured by different vendors to a predefined network by using a firmware configurable interface. This is the most appropriate approach at present since no standardization is foreseen in the near future in microcomputer operating systems.