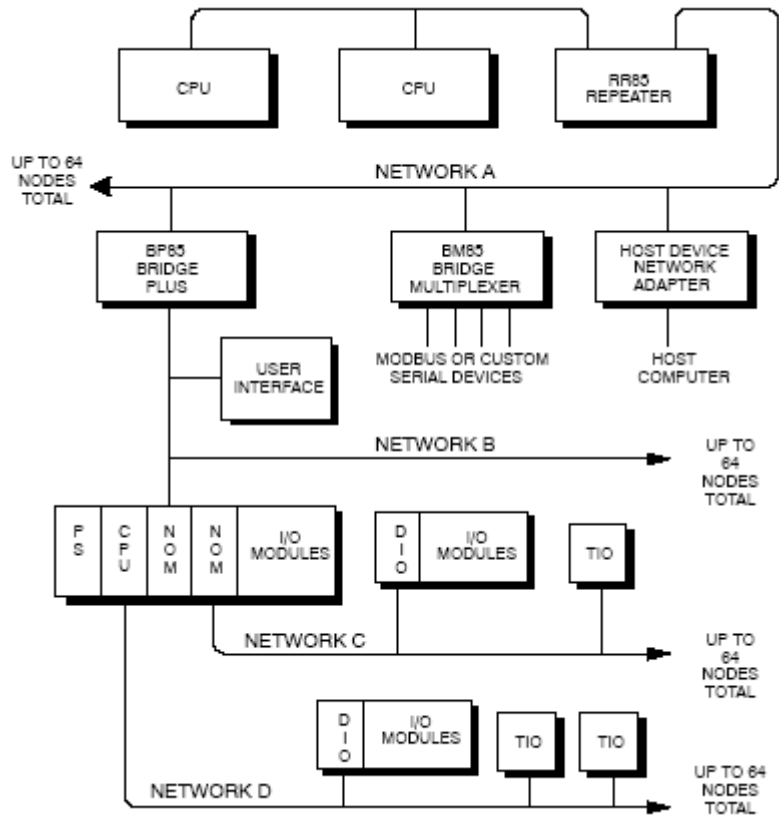


Modbus Plus is a local area network system for industrial control applications. Networked devices can exchange messages for the control and monitoring of processes at remote locations in the industrial plant. Modicon products supporting Modbus Plus communication include programmable controllers and network adapters. The network is also supported by a variety of products from other manufacturers.

Each Modicon controller can connect to Modbus Plus directly from a port on its front panel. Additional networks can be accessed through Network Option Modules (NOMs) installed in the common backplane.



The network also provides an efficient means for servicing input/output subsystems. Modicon Modbus Plus Distributed I/O (DIO) Drop Adapters and Terminal Block I/O (TIO) modules can be placed at remote I/O sites to allow the application to control field devices over the network link.

Each network supports up to 64 addressable node devices. Up to 32 nodes can connect directly to the network cable over a length of 1500 ft (450 meters). Repeaters can extend the cable distance to its maximum of 6000 ft (1800 meters) and the node count to its maximum of 64. Fiber optic repeaters are available for longer distances.

**Where is it used and with what products?**

Modbus Plus is backed by Modicon & Schneider. It is a global fieldbus network used a lot in France and in many different products like, PLC's, Inverters, Drives etc support this fieldbus network.

**Modbus Plus & AnyBus**

HMS has a variety of products supporting Modbus. An embedded AnyBus-S Slave Interface, AnyBus-Communicator Serial Gateway and AnyBus-X Bridge/Gateway giving you a choice to bridge Modbus Plus with any of 14 other fieldbus networks.

Modbus Plus Facts	
<b>Network Size:</b>	Support for 32 nodes
<b>Network Length:</b>	500m bus cable length, upto 2000m with repeater
<b>Data Rate:</b>	2 MBit/s
<b>Bus Topology:</b>	Token passing / virtual token ring, RS485 bus
<b>Addressing:</b>	Multi-master and peer-to-peer
<b>System Feature:</b>	Global database transaction Point-to-point commands, Read holding registers Preset single and preset multiple registers Allows routing up to 6 networks

### Modbus Plus AnyBus Products



**Embedded Products**

- ▶ [AnyBus-S Slave Interface](#)



**Networking Products**

- ▶ [AB Communicator Serial Gateway](#)



**Networking Products**

- ▶ [AnyBus-X Bridge/Gateway](#)

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