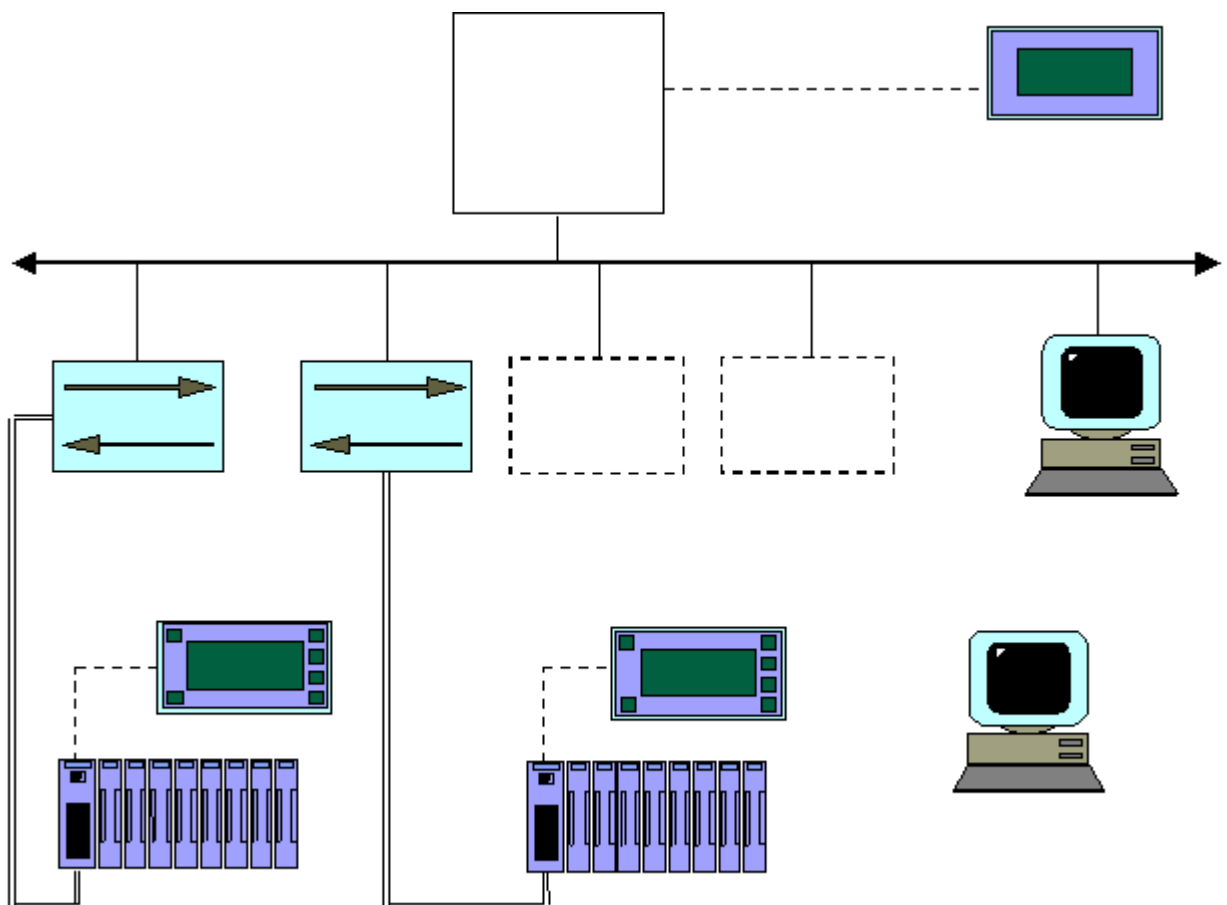


## Connecting MLC 9000 to OMRON C200H ALPHA Series PLC's via ProfiBus

The diagram below shows how to connect a typical MLC 9000 system to a OMRON C200H ALPHA series PLC using PROFIBUS.



The MLC 9000 RS485 ports are connected to the PROFIBUS system via Gateways. These convert the PROFIBUS protocol to MODBUS for use by the MLC 9000. The Gateways are slave devices on the main bus, but acts as masters for the RS485 MODBUS connections to the MLC 9000 attached to them.

**MLC9000 Parts Required**

*1 or more MLC 9000-B220 Bus Communications Modules up to the maximum allowed by your PROFIBUS system*

*Up to 8 MLC 9000 Loop Controller Modules of any type per BCM*

*1 MLC 9000-G010 Gateway per MLC 9000 BCM*

**Parts Required- Other**

*1 OMRON C200H ALPHA Series PLC*

*1 OMRON C200HW-PRM21 PROFIBUS Card*

*1 OMRON WS02-PDC2-E PROFIBUS Software*

*All PROFIBUS connections must use the correct PROFIBUS cables and connectors. Refer to your PLC supplier for details.*

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