

TRICONEX CM 3201 Communication Module

Panda +86 18106083673 plc-module@foxmail.com product link: <https://www.plc-module.com/Product/761.html>

Communication Module

The Communication Module (CM) is a one-to-one interface to the MPs. The Trident v2 CM enables communication with:

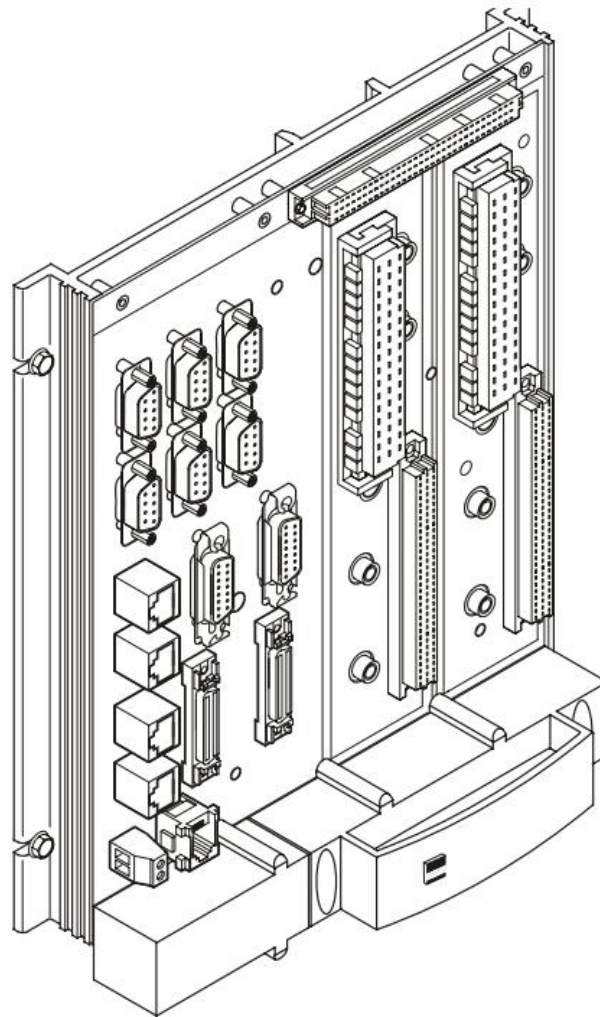
- External host computers
- Distributed control systems (DCS)
- Open networks

Two CMs can provide redundant communication connections or additional independent communications ports.

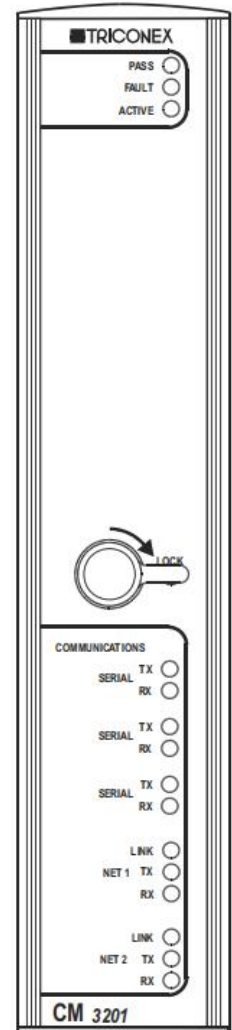
- Network printers
- Other Trident v2 systems
- Tricon version 9–10 systems

A single Trident controller can support up to two CMs on one CM Baseplate.

Each CM operates independently and supports three RS-232 or RS-485 serial ports and two Ethernet ports per CM.



CM Baseplate



CM Front Panel

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Communication Capabilities

Each CM provides the following communication capabilities:

- Serial ports
- Network ports
- Multiple protocol support

Serial Ports

Each CM provides three optically isolated RS-232 or RS-485 serial ports which are user-configurable for Modbus point-to-point or multi-point (network) connections. Transmission rates up to 115 kilobits per second per port can be selected.

Network Ports

Each CM provides two network ports which are configured as follows:

One 10-megabit Ethernet port, with the following connectors:

- 10BaseT

- Attachment unit interface (AUI)

For a 10-megabit media adapter unit (MAU)

One 100-megabit Ethernet port, with the following connectors:

- 100BaseTX
- Media independent interface (MII) for a 100-megabit MAU

Media adapter units may be used in place of the 10/100 BaseT RJ-45 twisted-pair connections to convert the CM network ports to other Ethernet media types or to extend network distances.

Supported Protocols

Each CM serial port supports these protocols:

- Modbus master (RTU)
- Modbus slave (ASCII or RTU)

Each CM network port supports these

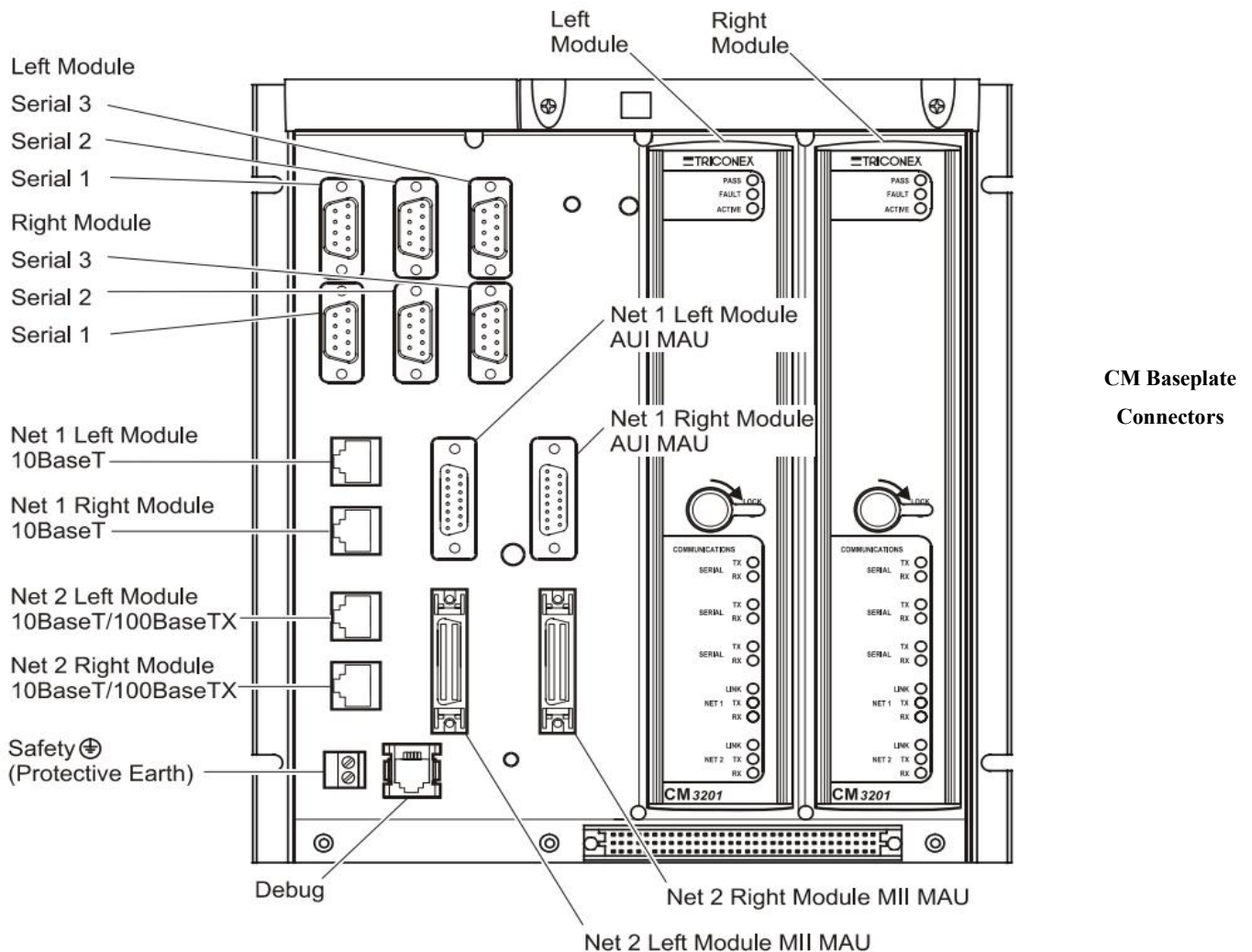
protocols:

- TSAA (UDP/IP)
- TSAA with IP Multicast (UDP/IP)
- TriStation
- Peer-to-Peer (UDP/IP)
- Peer-to-Peer (DLC)
- Modbus Master or Slave (TCP)
- Triconex Time Synchronization via UDP/IP
- SNTP Triconex Time Synchronization
- JetDirect Network Printer Server DLC/LLC

NOTE

The Trident CM supports a maximum of four Modbus TCP ports.

Each CM Net1 network port supports Triconex Time Synchronization via DLC.



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