

## IC693CMM311 Communications Coprocessor Module (CMM)

The Communications Coprocessor Module (IC693CMM311) provides a high performance coprocessor for all Series 90-30 modular CPUs (cannot be used with embedded CPUs – models 311, 313, or 323). This module supports the GE Fanuc CCM communications protocol, the RTU (Modbus) slave communications protocol, and the SNP protocol. This module has two serial ports. Port 1 supports RS-232 applications and Port 2 supports either RS-232 or RS-485 applications. The module can be configured using Logicmaster or VersaPro or by using a default setup.

Since both serial ports are wired to the module's single connector, an IC693CBL305 Wye cable is supplied with this module to separate the two ports for ease of wiring. A system with a 331 or higher CPU can have up to four CMMs (in the CPU baseplate only).

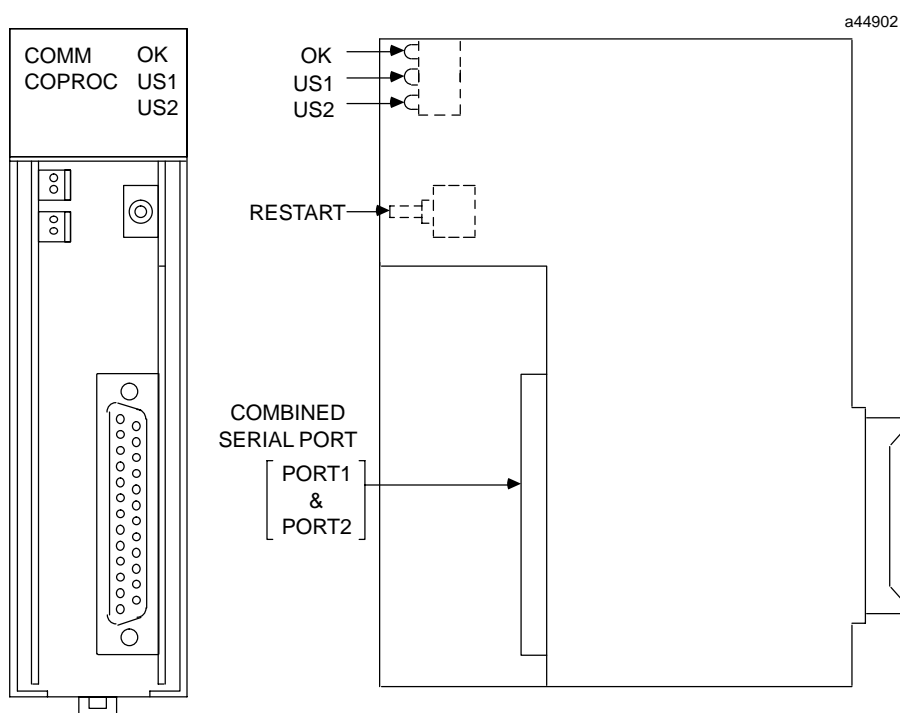


Figure 8-20. Communications Control Module

### Communications Control Module Documentation

For more information, refer to GFK-0582, the *Series 90 PLC Serial Communications Driver User's Manual*.

Both ports support RS-232 standard. Only Port 2 supports the RS-485 standard. A special WYE cable, described below, is available from GE Fanuc to separate the two port connections on the connector.

## Cable Information

Cable IC693CBL305 can be used in applications that require use of both SCM serial ports. This is a Wye-type cable that breaks out the Port 1 and Port 2 connections on the module's single connector to two individual connectors. A data sheet for this cable can be found in the "Cables" chapter of this manual. (Additional SCM cable information is found in the two documents referenced in the next section.) This cable wouldn't be required for applications that use only one SCM port. Also, this cable **should not be used** in a multidrop network (see Caution note below).

### Caution

**The IC693CBL305 Wye cable should not be used with an SCM connected to a multidrop network because it introduces signal reflections on the network. Multidrop networks should be cabled directly to the SCM serial connector.**

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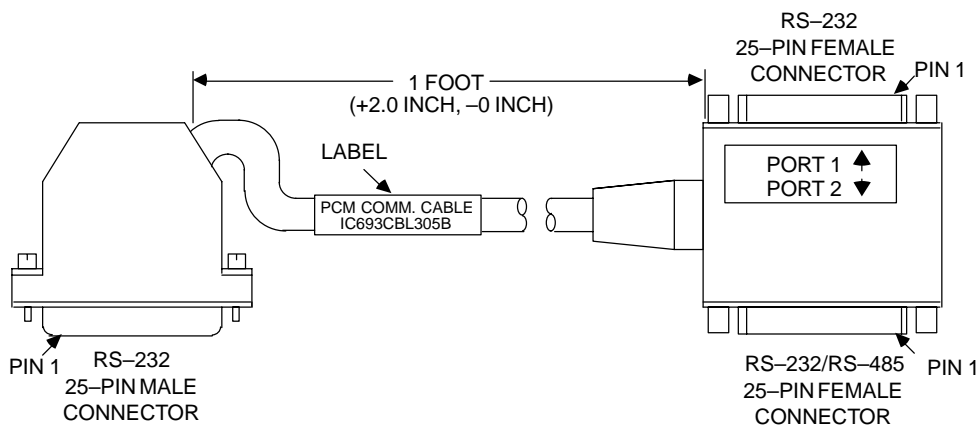


Figure 9-2. IC693CBL305 WYE Cable

## State Logic SCM Documentation

- GFK-1661 (Data Sheet), *Serial Communications Module, Series 90-30 State Logic*
- GFK-1056, *Series 90-30 State Logic Control System User's Manual*