

INDUSTRIAL AUTOMATION PRODUCT

IC697CMM742

Series 90-70 TCP/IP Ethernet Interface (Type 2)

GE IC697CMM742 is a Series 90-70 TCP/IP Ethernet Interface Type 2 module. It exchanges controller data and service traffic between a Series 90-70 rack and the configured Ethernet network.

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	Series 90-70 Ethernet communications
Part number	IC697CMM742
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named GE product record.

PARAMETER	TECHNICAL VALUE
PLC platform	Series 90-70
Interface type	TCP/IP Ethernet Interface Type 2
Ethernet ports	10Base-T; 10Base2; AUI
Station Manager port	RS-232
Software-load port	RS-485
Network protocol	TCP/IP
Service protocol	SRTP
Front indicators	MODULE OK; LAN ONLINE; SERIAL ACTIVE; STATUS

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Series 90-70 PLC rack
Companion hardware	10Base-T, 10Base2 or AUI network connection
Field connection	RS-232 Station Manager cable
Primary system function	Connects a Series 90-70 PLC rack to an Ethernet network
Controlled acceptance duty	Legacy PLC Ethernet integration

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System Role and Architecture

GE IC697CMM742 is a Series 90-70 TCP/IP Ethernet Interface Type 2 module. It exchanges controller data and service traffic between a Series 90-70 rack and the configured Ethernet network.

FUNCTION 1

Connects a Series 90-70 PLC rack to an Ethernet network

FUNCTION 2

Provides station-management access through the serial service interface

FUNCTION 3

Exchanges PLC data through the documented TCP/IP communication services

FUNCTION 4

Reports module, network and serial activity through dedicated front indicators

Matched system components

- Series 90-70 PLC rack
- 10Base-T, 10Base2 or AUI network connection
- RS-232 Station Manager cable
- RS-485 software-load connection

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Series 90-70 PLC rack
Companion hardware	10Base-T, 10Base2 or AUI network connection
Field connection	RS-232 Station Manager cable
Primary system function	Connects a Series 90-70 PLC rack to an Ethernet network
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Applications and Engineering Context

Legacy PLC Ethernet integration

Connects a Series 90-70 PLC rack to an Ethernet network

SCADA data exchange with Series 90-70 controllers

Provides station-management access through the serial service interface

Station Manager diagnostics

Exchanges PLC data through the documented TCP/IP communication services

Controlled network migration assessment

Reports module, network and serial activity through dedicated front indicators

TECHNICAL NOTE

Insert IC697CMM742 in the documented Series 90-70 rack position, select one approved Ethernet port and record the network identity before configuring SRTP clients.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC697CMM742 / IC697CMM742 recorded
Physical interface	Series 90-70 PLC rack
Companion check	10Base-T, 10Base2 or AUI network connection
Functional proof	Connects a Series 90-70 PLC rack to an Ethernet network
Application test	Legacy PLC Ethernet integration

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Engineering Precautions

1

Verify the complete IC697CMM742 marking and Type 2 hardware revision before service.

2

Place the Series 90-70 controller and networked process in the approved maintenance state.

3

Isolate rack and network energy before disconnecting the Ethernet or serial connectors.

4

Record the IP plan, SRTP channels, Station Manager settings and cable type before replacement.

5

Use ESD controls and protect the RJ-45, BNC, AUI and serial connectors.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC698PSA350	PACSystems RX7i power supply	View IC698PSA350 page
IC697CHS790	Series 90-70 nine-slot rack	View IC697CHS790 page
IC200MDL241	VersaMax 16-point discrete input	View IC200MDL241 page
IC693ALG391	Series 90-30 analog output	View IC693ALG391 page
IC693CMM321	Series 90-30 TCP/IP Ethernet interface	View IC693CMM321 page
IC695ALG600	PACSystems RX3i universal analog input	View IC695ALG600 page
IS215VPROH1BD	GE VPRO turbine protection board	View IS215VPROH1BD page
IC200UDR005-DJ	GE VersaMax micro PLC	View IC200UDR005-DJ page

MANUFACTURER SOURCE RECORD

GE Fanuc TCP/IP Ethernet Interface (Type 2) User Manual
GFK-1541

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