

IC697CMM742

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

CONTROLLED ENGINEERING COPY

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

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC697CMM742
Manufacturer part	IC697CMM742
Hardware type	Series 90-70
System family	Series 90-70 Ethernet communications



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01 PRE-INSTALLATION PLAN

- 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, SRTTP channels, Station Manager settings and cable type before replacement.
- 5

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

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
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

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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

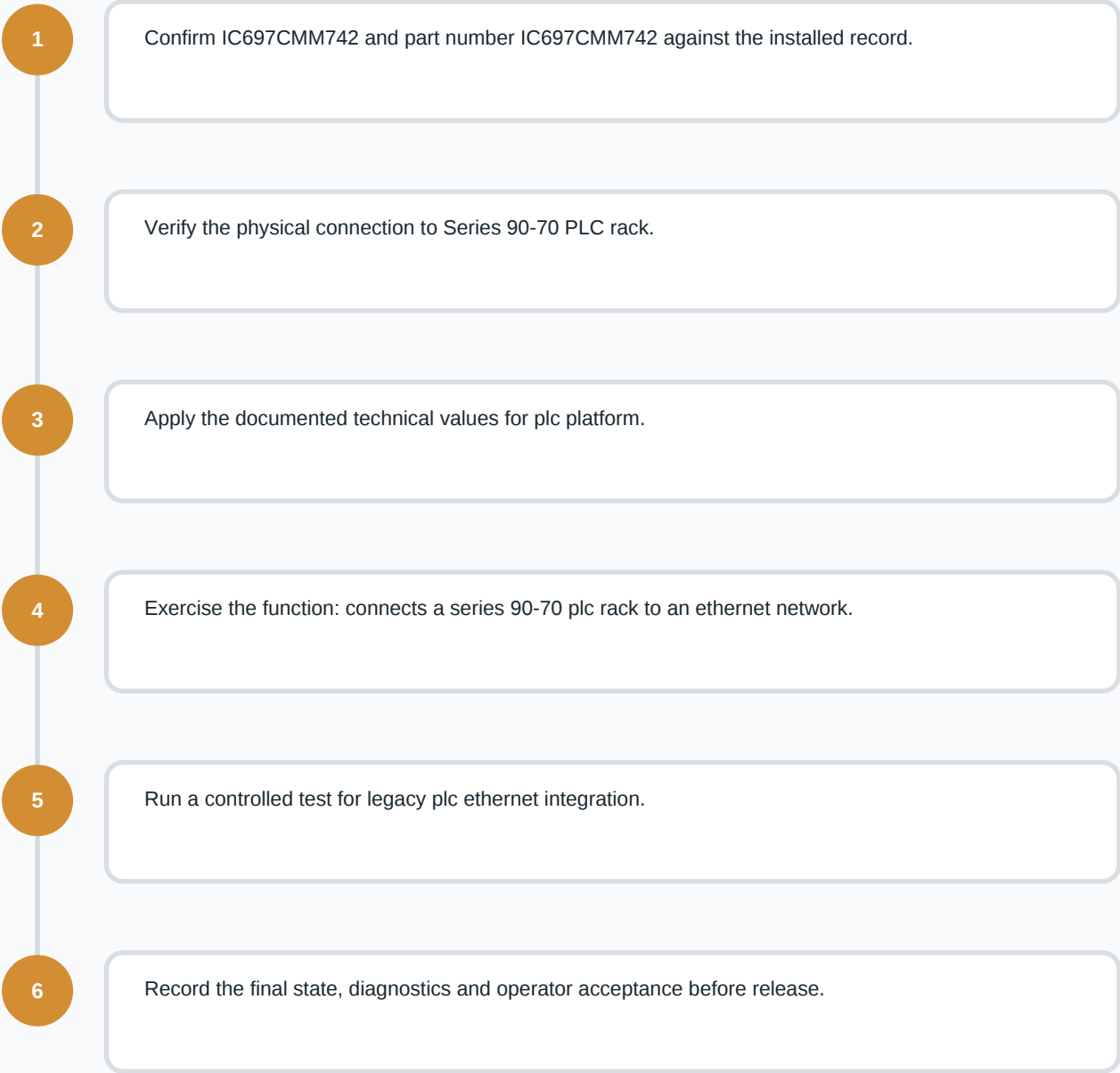
SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED 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

FIELD 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.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

- ☐ Connect only one approved Ethernet path unless the project explicitly defines the topology.
- ☐ Confirm MODULE OK, LAN ONLINE, SERIAL ACTIVE and STATUS indications during checkout.
- ☐ Test programmer, SCADA and controller data paths before returning the network to service.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

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

SOURCE IDENTIFIERS

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

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