

IC697CMM741

Series 90-70 Ethernet controller

10 Mbit/s IEEE 802.3 Ethernet communications

PRODUCT SNAPSHOT

BRAND

General Electric

FAMILY

GE Fanuc Series 90-70 communications

PART

IC697CMM741

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

10 Mbit/s IEEE 802.3 Ethernet communications

1

Connects directly to the IC697 backplane

2

Communicates at ten megabits per second

3

Supports selectable upper-layer communication software

4

Reports module and network status

SYSTEM COMPONENTS

IC697 CPU rack

802.3-compatible AUI transceiver

selected Ethernet medium

licensed TCP/IP or MMS software

TECHNICAL NOTE

Record the rack slot, AUI transceiver, media type, station parameters and loaded communication software before replacement.

TECHNICAL DATA

PARAMETER	VALUE
Rack occupancy	1 slot
LAN standard	IEEE 802.3 CSMA/CD
Ethernet data rate	10 Mbit/s
Network connector	15-pin AUI D-sub

PARAMETER	VALUE
Supported media	10Base5; 10Base2; 10BaseT; 10BaseF; 10Broad36 via transceiver
Protocols	TCP/IP-SRTP or MMS/OSI software
Software retention	Minimum 6 months without power
Status indicators	MODULE OK; ONLINE

ENGINEERING NOTE

Record the rack slot, AUI transceiver, media type, station parameters and loaded communication software before replacement.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
GE IC670ALG620	Related industrial automation product	View GE IC670ALG620 page
GE IC670ALG330	Related industrial automation product	View GE IC670ALG330 page
GE IC670ALG320	Related industrial automation product	View GE IC670ALG320 page
GE IC670ALG310	Related industrial automation product	View GE IC670ALG310 page
GE IC670ALG240	Related industrial automation product	View GE IC670ALG240 page
GE IC670ALG230	Related industrial automation product	View GE IC670ALG230 page
GE IC670MFP100	Related industrial automation product	View GE IC670MFP100 page
GE IC670FBI001	Related industrial automation product	View GE IC670FBI001 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

IC697 host communications

Connects directly to the IC697 backplane

PLC-to-PLC Ethernet messaging

Communicates at ten megabits per second

Programming workstation access

Supports selectable upper-layer communication software

Legacy Ethernet-controller renewal

Reports module and network status

PRODUCT PRECAUTIONS

- 1 Verify the complete IC697CMM741 marking and its assigned GE Fanuc Series 90-70 communications position before work.
- 2 Place the connected ic697 host communications process in the approved maintenance state.
- 3 Isolate applicable power and 10 mbit/s ieee 802.3 ethernet communications field energy before disconnecting conductors.
- 4 Record connector, conductor, address, firmware and software identities before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- 6 Confirm the installed IC697 CPU rack and 802.3-compatible AUI transceiver against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended plc-to-plc ethernet messaging function and retain the final test result.

ENGINEER FAQ

Q1 Does IC697CMM741 match IC697 CPU rack in a IC697 host communications installation?

Verify the complete IC697CMM741 marking, the documented GE Fanuc Series 90-70 communications position and the installed IC697 CPU rack before fitting the assembly.

Q3 Which GE Fanuc Series 90-70 communications records should be captured before removing IC697CMM741?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with IC697CMM741 before disconnection.

Q5 Which 802.3-compatible AUI transceiver condition should be checked when IC697CMM741 reports an abnormal state?

Check the 802.3-compatible AUI transceiver supply, seating and connection first, then compare channel diagnostics with the recorded IC697CMM741 baseline.

Q7 What maintenance evidence is required after IC697CMM741 is used for Programming workstation access?

Retain the nameplate record, corrective action, final diagnostics and a controlled programming workstation access functional-test result for IC697CMM741.

Q2 How should IC697CMM741 be wired when it must connects directly to the ic697 backplane?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for IC697CMM741; then continuity-test the affected path.

Q4 What controlled test confirms that IC697CMM741 can communicates at ten megabits per second?

Apply the approved field or simulated stimulus, observe the GE Fanuc Series 90-70 communications indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can IC697CMM741 be moved directly into PLC-to-PLC Ethernet messaging without validating licensed TCP/IP or MMS software?

No. Confirm the licensed TCP/IP or MMS software, revision, connection scheme and GE Fanuc Series 90-70 communications configuration before transferring IC697CMM741 to that duty.

Q8 How should IC697CMM741 be returned to service in Legacy Ethernet-controller renewal?

Restore power under control, verify supports selectable upper-layer communication software, exercise the intended signal path and release IC697CMM741 only after the GE Fanuc Series 90-70 communications remains in its approved operating state.

SOURCE GE Fanuc official module data sheet | GFK-0532K; GFK-1005G

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com