

GE IC698ETM001

Ethernet Interface

GE IC698ETM001 adds a switched two-port Ethernet interface to a PACSystems RX7i controller for EGD exchange, SRTP services, programming, configuration and station diagnostics.

Job objective

Replace, install or verify the exact module without changing unrelated wiring, configuration, dimensions, weight or other stored product data.

Safe-work boundary

Identify Match the complete model and every suffix or secondary code.	Isolate Apply the plant-approved electrical and process isolation procedure.
Preserve Back up configuration and photograph all connections.	Control Use ESD protection and revision-controlled documentation.

Required evidence before work

Nameplate photo; slot/rack record; connector map; project backup where applicable; fault history; approved acceptance procedure.

Model-specific release focus

- Two RJ45 ports with an internal Ethernet switch
- Ethernet Global Data production and consumption
- 10BaseT/100BaseTX speed and duplex auto-negotiation
- SRTP programming, configuration and diagnostic services

Readiness checklist

Exact identity	GE IC698ETM001 matches the work order and physical unit
System position	Rack, slot and functional assignment are recorded
Configuration	Parameters, firmware or project data are backed up when applicable
Connections	Every cable, terminal, jumper and shield is labeled
Condition	Connector, board and packaging condition are inspected
Test plan	Expected states and acceptance evidence are agreed

Interface preparation

Network ports	Two copper RJ45 interfaces connected through the module's internal switch
Controller backplane	PACSystems RX7i rack interface for controller data and configuration
Protocol services	EGD exchange and SRTP TCP/IP sessions
Diagnostic access	Station Manager commands and Ethernet exception reporting

Interface evidence for acceptance	
• Network ports: Two copper RJ45 interfaces connected through the module's internal switch	• Controller backplane: PACSystems RX7i rack interface for controller data and configuration
• Protocol services: EGD exchange and SRTP TCP/IP sessions	• Diagnostic access: Station Manager commands and Ethernet exception reporting

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare old and replacement identities and revisions
3	Photograph and label all connections
4	Remove the existing module using ESD-safe handling
5	Inspect slot, connector, grounding and cooling path
6	Install the exact replacement without forcing connectors
7	Restore cables, jumpers and settings from the controlled record
8	Perform a final visual and continuity check before energization

STOP POINT

Do not energize if the model, slot, connector orientation, grounding, jumper state or documented system assignment is unresolved.

Configuration-control record	
Port mode: Full duplex with automatic speed, duplex and crossover negotiation	Industrial data service: Ethernet Global Data (EGD)
Controller communication: SRTP over TCP/IP	Engineering functions: Programming, hardware configuration, Station Manager and diagnostics

Staged return to service

Stage	Action	Acceptance
Stage 1	Visual inspection and isolation release	Expected controlled result
Stage 2	Apply control power under observation	Expected controlled result
Stage 3	Confirm module recognition or status	Expected controlled result
Stage 4	Verify communication and affected signal paths	Expected controlled result
Stage 5	Exercise the documented function	Expected controlled result
Stage 6	Archive measured results and as-left configuration	Expected controlled result

Product-specific acceptance focus

1 Allow a restart or firmware operation to finish before pressing the Ethernet Restart control again.	2 Confirm the target IP in the engineering project after storing a hardware configuration that changes addressing.
3 Verify SRTP timeout behavior under the actual network load rather than assuming Series 90-70 timing.	4 After installation, prove both RJ45 links, EGD exchange status, programming access and Station Manager communication.

Commissioning decision points

- Allow a restart or firmware operation to finish before pressing the Ethernet Restart control again.
- Confirm the target IP in the engineering project after storing a hardware configuration that changes addressing.
- Verify SRTP timeout behavior under the actual network load rather than assuming Series 90-70 timing.
- After installation, prove both RJ45 links, EGD exchange status, programming access and Station Manager communication.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power, slot and connectors
3	Compare configuration and revision records
4	Test surrounding system before condemning the module
5	Restore a safe state and document the outcome

Apter Power handover record

Model identity	Keep the complete GE model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references	Scope note
GE IC698PSA350 catalog listing	Portfolio reference only; verify compatibility independently.
GE IS200VRTDH1DAC	Portfolio reference only; verify compatibility independently.
GE IS200TRLYH1BED	Portfolio reference only; verify compatibility independently.



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Handover evidence to retain	
Exact identity retained: GE IC698ETM001	IC698ETM001 Ethernet interface
Switched RJ45 network path	Archive as-left checks and measured results before release.