

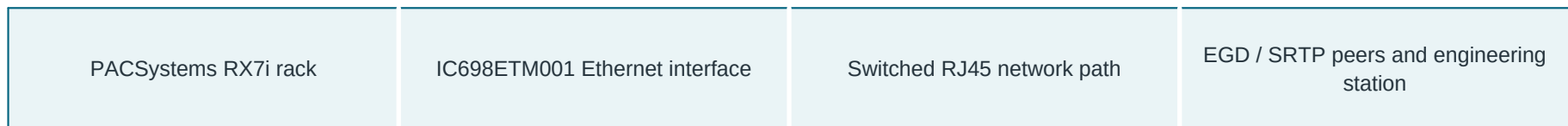
GE IC698ETM001

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.

01 Two RJ45 ports with an internal Ethernet switch	02 10BaseT/100BaseTX speed and duplex auto-negotiation	03 Ethernet Global Data production and consumption	04 SRTP programming, configuration and diagnostic services
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System position



Evidence boundary

Only verified exact-model facts and explicitly identified family context are included. Similar codes are not treated as substitutes.

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

Engineering domains and architecture

Product family	PACSystems RX7i
Module function	Ethernet interface module
Ethernet ports	2 × RJ45
Physical layer	10BaseT / 100BaseTX

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

Interface architecture

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
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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

Use cases with controlled scope

RX7i network expansion Adds a separate Ethernet interface where the CPU's embedded port is not sufficient.	EGD data exchange Produces and consumes configured Ethernet Global Data among industrial controllers.	Programming access Carries controller programming and hardware-configuration traffic over TCP/IP.	Network diagnostics Supports Station Manager inspection and fault investigation on the RX7i network.
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INTEGRATION CHECKPOINTS

Identity GE IC698ETM001 is preserved in full.	Host system Rack, slot and surrounding hardware are verified.	Configuration Project, firmware and settings are recorded.	Acceptance Functional evidence is captured before release.
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System relationship

PACSystems RX7i rack	IC698ETM001 Ethernet interface	Switched RJ45 network path	EGD / SRTP peers and engineering station
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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

Decision matrix

Question	Answer
What network services does GE IC698ETM001 provide?	It supports EGD data exchange, SRTP TCP/IP communication, controller programming, hardware configuration and Station Manager diagnostics.
How many Ethernet ports are available on GE IC698ETM001?	The module provides two full-duplex RJ45 ports connected through an internal switch.
Does GE IC698ETM001 select Ethernet speed automatically?	Yes. The ports automatically negotiate 10 or 100 Mbit/s operation, duplex mode and crossover.
Can GE IC698ETM001 be replaced by an IC697CMM742?	No. GE identifies the RX7i Ethernet module as the supported additional interface and does not support Series 90-70 LAN interface modules in an RX7i rack.

Eight release precautions

1 Configure a valid IP address, subnet mask and gateway before connecting IC698ETM001 to the plant network.	2 Do not place Series 90-70 IC697CMM741 or IC697CMM742 LAN modules in an RX7i rack as substitutes for IC698ETM001.	3 Keep the two IC698ETM001 Ethernet paths in a tree topology; do not connect them directly or indirectly into a ring.	4 Record the existing hardware configuration and EGD exchange definitions before replacing the module.
5 Allow a restart or firmware operation to finish before pressing the Ethernet Restart control again.	6 Confirm the target IP in the engineering project after storing a hardware configuration that changes addressing.	7 Verify SRTP timeout behavior under the actual network load rather than assuming Series 90-70 timing.	8 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.

Product verification and support

Apter Power verification 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.

	Apter Power technical and sourcing support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com Scan for the Apter Power contact page.	Model record GE IC698ETM001 Ethernet Interface Verify the complete nameplate before installation.
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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.