APTER POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

IC698CRE030

PACSystems RX7i 600 MHz redundant CPU

Redundant PLC execution, Ethernet data and serial communications

IDENTITY	VERIFIED VALUE
Manufacturer	General Electric
System family	GE PACSystems RX7i redundancy control
Part number	IC698CRE030
Country	USA
HS code	8537101190

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2 Technical Specifications

Technical values below are limited to the named General Electric product record.

PARAMETER	TECHNICAL VALUE
Processor	Pentium M at 600 MHz
User memory	64 MB battery-backed RAM
Flash user memory	64 MB nonvolatile
Ethernet	Embedded 10/100 Mbit/s
Serial ports	3
Serial protocols	Modbus RTU slave; SNP; Serial I/O
Program blocks	Up to 512
Operating temperature	0 to 50 degC without fan; 0 to 60 degC with fan tray

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	RX7i VME64 rack
Companion hardware	redundancy partner CPU
Field connection	compatible redundancy links
Primary system function	Uses a 600 MHz Pentium M processor
Controlled acceptance duty	Hot-standby process control

3 System Role and Architecture

Redundant PLC execution, Ethernet data and serial communications

FUNCTION 1

Uses a 600 MHz Pentium M processor

FUNCTION 2

Provides 64 MB battery-backed user memory

FUNCTION 3

Provides 64 MB nonvolatile flash memory

FUNCTION 4

Integrates ten/one-hundred-megabit Ethernet

Matched system components

- RX7i VME64 rack
- redundancy partner CPU
- compatible redundancy links
- Proficy Machine Edition project

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	RX7i VME64 rack
Companion hardware	redundancy partner CPU
Field connection	compatible redundancy links
Primary system function	Uses a 600 MHz Pentium M processor
Controlled acceptance duty	Hot-standby process control

4 Applications and Engineering Context

Hot-standby process control

Uses a 600 MHz Pentium M processor

High-capacity RX7i logic

Provides 64 MB battery-backed user memory

Ethernet EGD coordination

Provides 64 MB nonvolatile flash memory

Redundant CPU replacement

Integrates ten/one-hundred-megabit Ethernet

TECHNICAL NOTE

Back up the project, record primary/secondary roles, Ethernet and serial settings, battery state and firmware, then prove synchronization before switchover.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC698CRE030 / IC698CRE030 recorded
Physical interface	RX7i VME64 rack
Companion check	redundancy partner CPU
Functional proof	Uses a 600 MHz Pentium M processor
Application test	Hot-standby process control

5 Engineering Precautions

1. Verify the complete IC698CRE030 marking and its assigned GE PACSystems RX7i redundancy control position before work.
2. Place the connected hot-standby process control process in the approved maintenance state.
3. Isolate applicable power and redundant plc execution, ethernet data and serial 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330103-00-16-10-12-CN	Related industrial automation product	**View Bently Nevada 330103-00-16-10-12-CN page**
Bently Nevada 330104-00-04-50-02-00	Related industrial automation product	**View Bently Nevada 330104-00-04-50-02-00 page**
Bently Nevada 330130-080-12-05	Related industrial automation product	**View Bently Nevada 330130-080-12-05 page**
Bently Nevada 330730-040-00-00	Related industrial automation product	**View Bently Nevada 330730-040-00-00 page**
Honeywell 51305348-100	Related industrial automation product	**View Honeywell 51305348-100 page**
ABB RDCO-02C-3ABD64606956	Related industrial automation product	**View ABB RDCO-02C-3ABD64606956 page**
ABB 3BHE022294R0101-GFD233-A101	Related industrial automation product	**View ABB 3BHE022294R0101-GFD233-A101 page**
Bently Nevada 330173-00-05-10-12-00	Related industrial automation product	**View Bently Nevada 330173-00-05-10-12-00 page**

MANUFACTURER SOURCE RECORD

GE Fanuc PACSystems RX7i CPU documentation

GFK-2222; GFK-2223; GFK-2741

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