

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE PACSYSTEMS RX7I

IC698CPE020

RX7I CENTRAL PROCESSING UNIT

Used with the applicable PACSystems RX7i controllers configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation

Release History

Revision	Date	CPU Version	Ethernet Version
-JY	Feb. 12	6.75	6.12
-JX	Nov. 11	6.75	6.10
-JW	Jul. 11	6.71	6.10
-JV	Mar. 10	6.01	6.00
-JU	Sep. 09	6.00	6.00
-JT	Dec. 08	5.50	5.51
-JS	May 08	5.50	5.50
-JR	Dec. 07	5.00	5.01
-JQ	Oct. 07	5.00	5.00
-HQ	Aug. 07	5.00	5.00
-HP	Jul. 07	4.02	4.00
-GP	Dec. 06	4.02	4.00
-GN	Sep. 06	4.00	4.00
-GM	May 06	3.50	3.81
-FL	Nov. 05	3.50	3.60
-EK	Sep. 05	3.50	3.00

Revision	Date	CPU Version	Ethernet Version
-EJ	Jul. 05	3.11	3.00
-DH	Apr. 05	3.10	3.00
-DG	Apr. 05	3.00	3.00
-DF	Feb. 05	2.58	2.57
-DE	Nov. 04	2.57	2.57
-DE	Sep. 04	2.56	2.56
-CE	Sep. 04	2.56	2.56
-CD	Aug. 04	1.63	1.60
-CD	Jul. 04	1.62	1.60
-CD	Jun. 04	1.61	1.61
-CC	Nov. 04	1.60	1.60
-BC	Sep. 04	1.60	1.60
-BB	Jun. 04	1.50	1.50
-BA	Jun. 04	1.00	1.00
-AA	Jun. 03	1.00	1.00

Important Product Information for this Release

CPU firmware Release 6.75 adds support for the VME IO modules, VME-1182A-02001x, VME-3122A-40001x and VME-3125A-20001x. For details, see “New CPU Features and Enhancements in Release 6.75” on page 5.

For problems resolved, see “CPU Problems Resolved in Release 6.75” on page 5.

Ethernet firmware release 6.12 disables several unnecessary and non-published services in the firmware that otherwise could result in disruption of system operation and/or data corruption. GE Intelligent Platforms **strongly recommends** that you update to Ethernet firmware version 6.12 to protect your system from these issues.

GE Intelligent Platforms recommends disabling FTP server and/or Web server connections if not used. For details, see page 21.

Updates

The CPE010 and CPE020 can be field upgraded to CPU version 6.75 and Ethernet version 6.12 using the Winloader firmware upgrade utility and one of the following upgrade kits.

An IC698CPE010 can be field-upgraded to an IC698CPE010-xX using firmware upgrade kit 44A752252-G25.

An IC698CPE020 can be field-upgraded to an IC698CPE020-xX using firmware upgrade kit 44A752255-G25.

Firmware upgrade kits can be downloaded from <http://www.ge-ip.com/support>.

The hardware is not field upgradeable.

Subject	Description
SRTP connections remain open after IP address changed	The Ethernet Interface does not terminate all open SRTP connections before changing its IP address. Once the local IP address has changed, any existing open TCP connections are unable to normally terminate. This can leave SRTP connections open until their underlying TCP connections time out. If quicker recovery of the SRTP connection is needed, modify the "wkal_idle" Advanced User Parameter to reduce the TCP keep alive timer down to the desired maximum time for holding open the broken connection. Refer to <i>TCP/IP Ethernet Communications for PACSystems</i> , GFK-2224, for details.
CPU time used for produced EGD Timestamps	Changing the Ethernet interface time via the CHTIME command does not affect the timestamp value within EGD exchanges produced from this Ethernet interface. The EGD timestamp value reflects the current CPU time. In Series 90-70 products and the Series 90-30 CPU364, EGD timestamps are taken from the Ethernet interface and do reflect CHTIME modifications.
ENIU stale data during run mode store of EGD	In a large PPS system running 20 ENIUs, when a Run-mode Store is performed that deletes the EGD exchanges for 10 of the ENIUs, the other ENIUs will see the status on their exchanges indicate consumption timeouts during the RMS. At the completion of the RMS, the exchanges operate normally.
Internet Explorer 8 may require setting changes when using Web pages on RX7i	It may be required to disable the pop-up blocker when using Internet Explorer 8 with the Web pages supplied with the RX7i Ethernet firmware. To disable the pop-up blocker, in the Internet Explorer toolbar, select Tools->Pop-up Blocker->Turn Off Pop-up Blocker Note: If you have the Google toolbar installed, the Google pop-up blocker may also have to be disabled. It may also be required to disable configuration scripts when using Internet Explorer 8. In the Toolbar select Internet Options. In the Internet Options dialog box click the "Connections" tab, click the "LAN settings" button, and make sure the box beside "Automatically detect settings" has a check in it. If it does not, click the box next to "Automatically detect settings" to enable this setting.

Ordering Information

Description	Catalog Number
RX7i VME 300Mhz CPU	IC698CPE010
RX7i VME 700Mhz CPU	IC698CPE020
Smart Coin Cell Battery Pack	IC698ACC701
Auxiliary Smart Battery Module (optional)	IC695ACC302
Rechargeable Battery and Charger	IC690RBT001 IC690CRG001
Rack Fan Assembly, 120VAC	IC697ACC721
Rack Fan Assembly, 240VAC	IC697ACC724
Rack Fan Assembly, 24VDC	IC697ACC744
RX7i Power Supply, 85 to 264 VAC at 47 to 63 Hz Input, 100 watt output	IC698PSA100
RX7i Power Supply, 85 to 264 VAC at 47 to 63 Hz Input, 350 watt output	IC698PSA350
RX7i Power Supply: 24 VDC Input, 300 watt output	IC698PSD300
[Optional] RS-232 cable; also Station Manager cable for Ethernet interface	IC200CBL001

Note: For Conformal Coat option, please consult the factory for price and availability.