

GE Healthcare

Fluorostar^{TM®}

00-441130-01 IPC1000 BIOS Setup with integrated PC-guard support

for IPC 1000 Radisys Endura JD35Q

IPC 1000 (0,5k x 0,5k)
IPC 1000 (1k x 1k)

00-453962-01 and higher
00-453963-01 and higher

Version 09.12.03

Manual Text Revision History

<u>Rev</u>	<u>Dash</u>	<u>Date</u>	<u>Change Description</u>
[A]	[01]	[09-01-2009]	[Initial]
[B]	[01]	[03-12-2009]	Add Clear RTC RAM description

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Note:

Changes from default Bios settings marked with this text stile

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- THIS SERVICE MANUAL IS AVAILABLE IN ENGLISH ONLY.
- IF A CUSTOMER'S SERVICE PROVIDER REQUIRES A LANGUAGE OTHER THAN ENGLISH, IT IS THE CUSTOMER'S RESPONSIBILITY TO PROVIDE TRANSLATION SERVICES.
- DO NOT ATTEMPT TO SERVICE THE EQUIPMENT UNLESS THIS SERVICE MANUAL HAS BEEN CONSULTED AND IS UNDERSTOOD.
- FAILURE TO HEED THIS WARNING MAY RESULT IN INJURY TO THE SERVICE PROVIDER, OPERATOR OR PATIENT FROM ELECTRICAL SHOCK, MECHANICAL OR OTHER HAZARDS.

AVERTISSEMENT

- CE MANUEL DE MAINTENANCE N'EST DISPONIBLE QU'EN ANGLAIS
- SI LE TECHNICIEN DU CLIENT A BESOIN DE CE MANUEL DANS UNE AUTRE LANGUE QUE L'ANGLAIS, C'EST AU CLIENT QU'IL INCOMBE DE LE FAIRE TRADUIRE.
- NE PAS TENTER D'INTERVENTION SUR LES ÉQUIPEMENTS TANT QUE LE MANUEL SERVICE N'A PAS ÉTÉ CONSULTÉ ET COMPRIS.
- LE NON-RESPECT DE CET AVERTISSEMENT PEUT ENTRAÎNER CHEZ LE TECHNICIEN, L'OPÉRATEUR, OU LE PATIENT DES BLESSURES DUES À DES DANGERS ÉLECTRIQUES, MÉCANIQUES OU AUTRES.

WARNUNG

- DIESES KUNDENDIENST-HANDBUCH EXISTIERT NUR IN ENGLISCHER SPRACHE.
- FALLS EIN FEMDER KUNDENDIENST EINE ANDERE SPRACHE BENÖTIGT IST ES AUFGABE DES KUNDEN FÜR EINE ENTSPRECHENDE ÜBERSETZUNG ZU SORGEN.
- VERSUCHEN SIE NICHT, DAS GERÄT ZU REPARIEREN, BEVOR DIESES KUNDENDIENST-HANDBUCH NICHT ZU RATE GEZOGEN UND VERSTANDEN WURDE.
- WIRD DIESE WARNUNG NICHT BEACHTET, SO KANN ES ZU VERLETZUNGEN DES KUNDENDIENSTTECHNIKERS, DES BEDIENERS ODER DES PATIENTEN DURCH ELEKTRISCHE SCHLÄGE, MECHANISCHE ODER SONSTIGE GEFAHREN KOMMEN.

AVISO

- ESTE MANUAL DE SERVICIO SÓLO EXISTE EN INGLÉS.
- SI ALGÚN PROVEEDOR DE SERVICIOS AJENO A GEMS SOLICITA UN IDIOMA QUE NO SEA EL INGLÉS, ES RESPONSABILIDAD DEL CLIENTE OFRECER UN SERVICIO DE TRADUCCIÓN.
- NO SE DEBARÁ DAR SERVICIO TÉCNICO AL EQUIPO, SIN HABER CONSULTADO Y COMPRENDIDO ESTE MANUAL DE SERVICIO.
- LA NO OBSERVANCIA DEL RESPECTIVO AVISO PUEDE DAR LUGAR A QUE EL PROVEEDOR DE SERVICIOS, EL OPERADOR O EL PACIENTE SUFRAN LESIONES PROVOCADAS POR CAUSAS ELÉCTRICAS, MECÁNICAS O DE OTRA NATURALEZA.

ATENÇÃO

- ESTE MANUAL DE ASSISTÊNCIA TÉCNICA SÓ SE ENCONTRA DISPONÍVEL EM INGLÊS.
- SE QUALQUER OUTRO SERVIÇO DE ASSISTÊNCIA TÉCNICA, QUE NÃO A GEMS, SOLICITAR ESTES MANUAIS EM OUTRO IDIOMA, É DA RESPONSABILIDADE DO CLIENTE FORNECER O SERVIÇO DE TRADUÇÃO.
- NÃO TENHA TENTAR REPARAR O EQUIPAMENTO SEM TER CONSULTADO E COMPREENDIDO ESTE MANUAL DE ASSISTÊNCIA TÉCNICA.
- NÃO CUMPRIMENTO AVISO PODE POR EM PERIGO A SEGURANÇA DO TÉCNICO, OPERADOR OU PACIENTE DEVIDO A CHOQUES ELÉCTRICOS, MECÂNICOS OU OUTROS.

AVVERTENZA

- IL PRESENTE MANUALE DI MANUTENZIONE É DISPONIBILE SOLTANTO IN INGLESE.
- SE UN ADDETTO ALLA MANUTENZIONE ESTERNO ALL GEMS RICHIEDE IL MANUALE IN UNA LINGUA DIVERSA, IL CLIENTE É TENUTO A PROVVEDERE DIRETTAMENTE ALLA TRADUZIONE.
- SI PROCEDA ALLA MANUTENZIONE DELL'APPARECCHIATURA SOLO DOPO AVER CONSULTATO IL PRESENTE MANUALE ED AVERNE COMPRESO IL CONTENUTO.
- NON TENERE CONTO DELLA PRESENTE AVVERTENZA POTREBBE FAR COMPIERE OPERAZIONI DA CCUI DERIVINO LESIONI ALL'ADDETTO ALLA MANUTENZIONE, ALL'UTILIZZATORE ED AL PAZIENTE PER FOLGORAZIONE ELETTRICA, PER URTI MECCANICI OD ALTRO RISCHI.

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Preparation

Open the front cover of the system. Set on IPC1000 PC-Guard to OFF

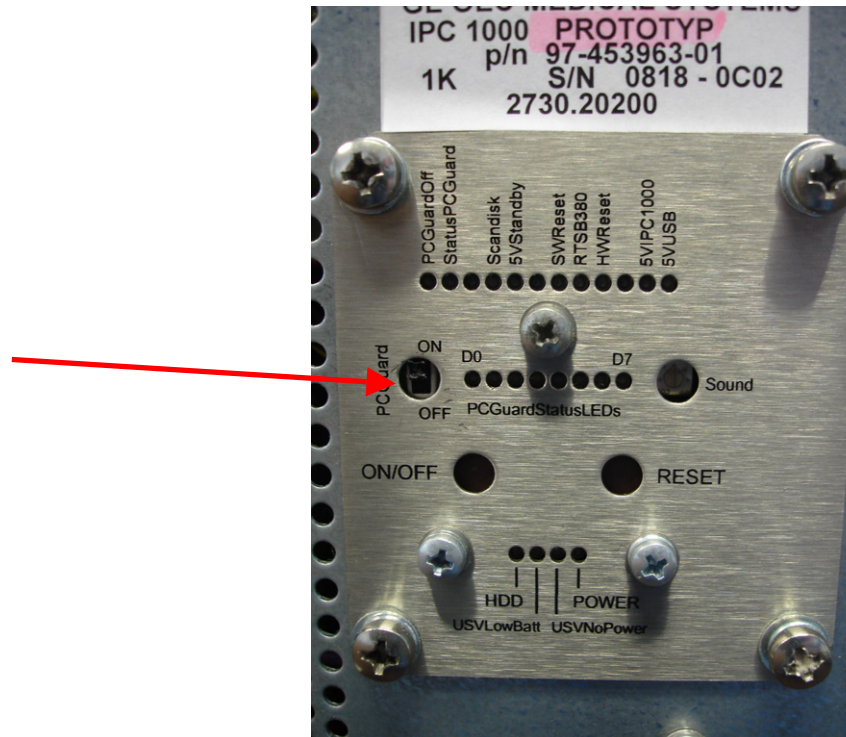


Figure 1 PC Guard ON/OFF

Connect a keyboard to the system

To enter BIOS Setup press "DEL" while IPC1000 is booting. You can see then BIOS screens on main monitor A.

Tip: On Compact and on Compact Dual (without installed B392) it can happen that you don't see the Boot Screen. Replace gender changer to 00-906513-02 or use an external monitor connected directly on Graphic card A with a standard DVI/VGA cable.

Notice: After replacing BIOS battery clear RTC RAM before setting the BIOS setup

Clear RTC RAM (CLRTC)

The CLRTC jumper allows you to clear the Real Time Clock (RTC) RAM in CMOS. You can clear the CMOS memory of date , time and system setup parameters by erasing the CMOS RTC RAM data. The RAM data in CMOS, that include system setup information such as system passwords , is powered by the onboard button cell battery.

To erase the RTC RAM:

1. Turn off the system and unplug power cord
2. Remove onboard battery
3. Move the jumper JRTC1 from pins 1-2 (default) to pins 2-3. Keep the cap on pins 2-3 for about 5~10 seconds, then move the cap back to pins 1-2
4. Replace the battery
5. Plug the power cord and turn ON the system

To enter BIOS Setup connect a PC-keyboard and press "DEL" while IPC1000 is booting. You can see then BIOS screens on main monitor A.

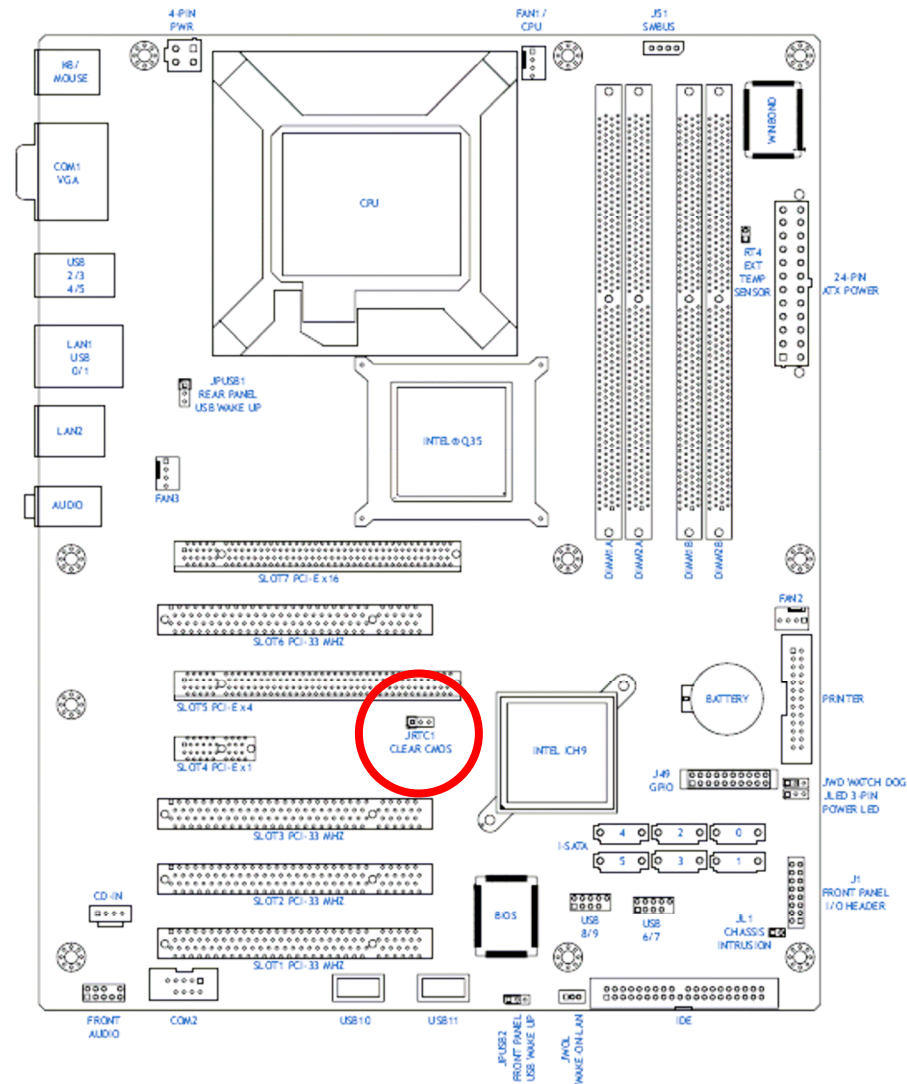


Figure 2 Jumper JRTC1

1. MAIN

1.1 System Time	[08:29:03] (Set to actual time)
1.2 System Date	[01.09.2009] (Set to actual date)
1.3 Hard Disk Pre-Delay	[Disabled]
1.4 Serial ATA	[Enabled]
1.5 Native Mode Operation	[Auto]
SATA RAID Enable	[Disabled]
SATA AHCI Enable	[Enabled]
SATA AHCI Legacy Enable	[Disabled]
1.6 SATA Port 0	[320GB SATA1]
1.7 SATA Port 1	[NONE]
1.8 SATA Port 2	[NONE]
1.9 SATA Port 3	[NONE]
1.10 SATA Port 4	[NONE]
1.11 SATA Port 5	[NONE]
1.12 Ext. Primary Master	[NONE]
1.13 Ext. Primary Slave	[NONE]

2. ADVANCED

2.1 Boot Features

Quiet Boot	[Enabled]
Quick Boot Mode	[Enabled]
ACPI Mode	[Yes]
ACPI Sleep Mode	[S1]
High Precision Event Timer	[Yes]
Power Button Behavior	[4-sec Override]
Resume on Modem Ring	[Off]
Resume on PME#	[On]
PS2 KB/MS Wake Up	[Disabled]
USB Wake Up	[Disabled]
Power Loss Control	[Power On]
Legacy USB Support	[Enabled]
Summery Screen	[Enabled]

2.2 Advanced Processor Options

CPU Speed:	Automatically Set
Core Multi Processing	[Enabled]
Machine Checking	[Enabled]
Thermal Management 2	[Enabled]
Adjacent Cache Line Prefetch	[Enabled]
Set Max Ext CUID = 3	[Disabled]
C1 Enhanced Mode	[Disabled]
Intel ® Virtualization Technology	[Disabled]
No Execute Mode Mem Protection	[Enabled]
Enhanced Intel Speed Step	[Disabled]

2.3 Advanced Chipset Control

Integrated Device Control Sub Menu	
USB Host Controller	[Enabled]
Memory Reclaiming	[Enabled]
Enable VT-d	[Disabled]
Default Primary Video Adapter	[PEG]
IGD-Device 2	[Disabled]
Azalia Audio	[Auto]
Route Port 80h cycles to	[PCI]

2.4 Memory Cache

Cache System BIOS area	[Write Protect]
Cache Video BIOS area	[Write Protect]
Cache Base 0-512k	[Write Back]
Cache Base 512k – 640k	[Write Back]
Cache Extended Memory area	[Write Back]

2.5 PnP Configuration

PCI32 Slot 1	
Option ROM Scan	[Enabled]
Enable Master	[Disabled]
Latency Timer	[Default]
PCI32 Slot 2	
Option ROM Scan	[Enabled]
Enable Master	[Disabled]
Latency Timer	[Default]
PCI32 Slot 3	
Option ROM Scan	[Enabled]
Enable Master	[Disabled]
Latency Timer	[Default]
PCI32 Slot 6	
Option ROM Scan	[Enabled]
Enable Master	[Disabled]
Latency Timer	[Default]

PCIE x1 Slot 4	
Option ROM Scan	[Disabled]
Enable Master	[Disabled]
Latency Timer	[Default]
PCIE x4 Slot 5	
PCI Express Port #5	[Auto]
Option ROM Scan	[Enabled]
Enable Master	[Disabled]
Latency Timer	[Default]
PCIE x16 Slot 7	
PCI Express Graphics Port	[Auto]
PEG Port Enabled	Yes
PEG Port Number	02h
PEG Width	x16
PEG Port Slot Number	1000h
PEG Power Limit	75 watts
PEG Slot Card Detect	yes
Onboard Lan 2	
Option ROM Scan	[Disabled]
Enable Master	[Disabled]
Latency Timer	[Default]
Onboard Lan 1	
Option ROM Scan	[Disabled]
Enable Master	[Disabled]
Latency Timer	[Default]

2.6 I/O Device Configuration

KBC Clock Input	[12 MHz]
COM1	[Enabled]
Base I/O address	[3F8]
Interrupt	[IRQ 4]
COM2	[Enabled]

Mode	[Normal]
Base I/O address	[2F8]
Interrupt	[IRQ 3]
Parallel Port	[Enabled]
Base I/O address	[378]
Interrupt	[IRQ 7]
Mode	[ECP]
DMA Channel	[DMA 3]

2.7 Hardware Monitor

CPU Temperature Threshold	[75°C]
Fan Speed Control Modes	[Disable (Full speed)]

3. Security

Supervisor Password Is	Clear
User Password Is	Clear
Fixed disk boot sector	[normal]
Password on boot	[Disabled]

4. BOOT

Boot Priority order	1. PCI SCSI : P0-WDC ... All other entry: empty
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5. EXIT

Use Exit & save Changes

6. Reboot system

Set PC-Guard to ON and reboot system.

6. Used keys

←→	Select Screen
↑↓	Select Item
Enter	Go to Sub Screen
F 1	General Help
F 9	Setup defaults
F 10	Save and Exit
ESC	EXIT