



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for GIGABYTE GA-7VAXFS. You'll find the answers to all your questions on the GIGABYTE GA-7VAXFS in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual GIGABYTE GA-7VAXFS
User guide GIGABYTE GA-7VAXFS
Operating instructions GIGABYTE GA-7VAXFS
Instructions for use GIGABYTE GA-7VAXFS
Instruction manual GIGABYTE GA-7VAXFS

GA-7VAXFS
AMD Athlon™/Athlon™ XP/Duron™ Socket A
Processor Motherboard

USER'S MANUAL

AMD Athlon™/Athlon™ XP/Duron™ Socket A Processor Motherboard
Rev. 1001
12ME-7VAXFS-1001



[You're reading an excerpt. Click here to read official GIGABYTE GA-7VAXFS user guide](http://yourpdfguides.com/dref/2325332)
<http://yourpdfguides.com/dref/2325332>

Manual abstract:

.....
.....
.....

.....
.....
.....

... 7 Chapter 2 Hardware Installation Process

.....
.....

.....
.....

8 Step 1: Install the Central Processing Unit (CPU).....

.....
.....

..... 9 Step 1-1: CPU Speed Setup .

.....
.....
.....

.....
.....

.....
.....

.. 9 Step 1-2: CPU Installation @@@@ @@@@ @@@@ @@@@ @@@@ 14 Step 4-1: I/O Back Panel Introduction

.....
.....

.....
.....

.....
.....

... 14 Step 4-2 : Connectors Introduction ..

.....
.....

.....

.....
.....
.....

..... 16 GA-7VAXFS Motherboard -2- English Chapter 3 BIOS Setup .

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.. 23 The Main Menu (For example: BIOS Ver. :E8)

.....
.....
.....
.....

.... 24 Standard CMOS Features.....

.....
.....
.....

.....
.....
.....
.....

.....
.....

.. 26 Advanced BIOS Features ...

.....
.....
.....
.....
.....

.....
.....
.....
.....

. 29 Integrated Peripherals

.....
.....
.....

.....
.....
.....
.....

.....
.....

.... 31 Power Management Setup .

.....
.....
.....
.....
.....

.....
.....

.....
.....

35 PnP/PCI Configurations

.....
.....
.....

.....
.....
.....
.....

.....
.....

.. 38 PC Health Status...

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

40 Frequency/Voltage Control

.....
.....
.....
.....

.....
.....
.....

..... 42 Load Fail-Safe Defaults ...

.....
.....
.....
.....

.....
.....
.....

.....
.....

.... 43 Load Optimized Defaults .

.....
.....
.....
.....

.....
.....
.....

..... 44 Set Supervisor/User Password .

.....
.....
.....
.....
.....
.....
.....
.....

..... 45 Save & Exit Setup

.....
.....
.....
.....
.....
.....
.....
.....

.. 46 Exit Without Saving

.....
.....
.....
.....
.....
.....
.....
.....

..... 47 -3- Table of Content English Item Checklist WARNING! Computer motherboards and expansion cards contain very delicate Integrated Circuit (IC) chips. To protect them against damage from static electricity, you should follow some precautions whenever you work on your computer. 1. 2. Unplug your computer when working on the inside.

Use a grounded wrist strap before handling computer components. If you do not have one, touch both of your hands to a safely grounded object or to a metal object, such as the power supply case. 3. 4. 5. Hold components by the edges and try not touch the IC chips, leads or connectors, or other components. Place components on a grounded antistatic pad or on the bag that came with the components whenever the components are separated from the system. Ensure that the ATX power supply is switched off before you plug in or remove the ATX power connector on the motherboard. Installing the motherboard to the chassis.. If the motherboard has mounting holes, but they don't line up with the holes on the base and there are no slots to attach the spacers, do not become alarmed you can still attach the spacers to the mounting holes. Just cut the bottom portion of the spacers (the spacer may be a little hard to cut off, so be careful of your hands). In this way you can still attach the motherboard to the base without worrying about short circuits. Sometimes you may need to use the plastic springs to isolate the screw from the motherboard PCB surface, because the circuit wire may be near by the hole.

Be careful, don't let the screw contact any printed circuit write or parts on the PCB that are near the fixing hole, otherwise it may damage the board or cause board malfunctioning. GA-7VAXFS Motherboard -4- Chapter 1 Introduction Features Summary Form Factor Motherboard CPU 24.3cm x 30.5cm ATX size form factor, 4 layers PCB GA-7VAXFS Motherboard Socket A processor AMD AthlonTM/AthlonTM XP/DuronTM (K7) Socket A processor 128K L1 & 256K/64K L2 cache on die 400MHz FSB and DDR bus speeds Chipset Memory Supports 1.4GHz and faster VIA KT400 Memory/AGP/PCI Controller(PAC) VT8235 V-LINK Client Highly Integrated 3 184-pin DDR DIMM sockets Supports DDR DRAM 266/333 or PC1600/PC2100/PC2700 Supports up to 3GB DDR (Max) I/O Control Slots Supports only 2.

5V DDR DIMM ITE8705F 1 AGP slot supports 8X/4X mode & AGP 3.0 compliant 5 PCI slot supports 33MHz & PCI 2.2 compliant 1 CNR (Communication and Networking Riser) slot 2 IDE bus master (ATA133/100/66) IDE ports for up to 4 ATAPI devices Supports PIO mode3,4 (ATA133/100/66) IDE & ATAPI CD-ROM On-Board Peripherals 1 Floppy port supports 2 FDD with 360K, 720K, 1.2M, 1.44M and 2.88M bytes 1 Parallel port supports Normal/EPP/ECP mode 2 Serial ports (COM A & COM B) 6 USB2.0/1.1 ports (2 x Rear, 4 x Front by cable) 1 Front Audio connector 1 IrDA connector for IR to be continued...

... English On-Board IDE -5- Introduction English On-Board Sound Realtek ALC650 CODEC 1 Buzzer Line Out / 2 front speaker Line In Mic In SPDIF out On-Board LAN PS/2 Connector BIOS Additional Features CD In Build in RTL8100BL Chipset 1 RJ45 port PS/2 Keyboard interface and PS/2 Mouse interace Licensed Award BIOS, 2M bit FWH PS/2 KB/Mouse wake up from S1 USB devices wake up from S3 AC Recovery Supports STR (Suspend-To-RAM) Please set the CPU host frequency in accordance with your processor's specifications. We don't recommend you to set the system bus frequency over the CPU's specification because these specific bus frequencies are not the standard specifications for CPU, chipset and most of the peripherals. Whether your system

can run under these specific bus frequencies properly will depend on your hardware configurations, including CPU, Chipsets, SDRAM, Cards...tc.

GA-7VAXFS Motherboard -6- GA-7VAXFS Motherboard Layout English -7- Introduction English Chapter 2 Hardware Installation Process To set up your computer, you must complete the following steps: Step 1 -Set system CPU clock (SW1) Step 2 -Install the Central Processing Unit (CPU) Step 3 -Install memory modules Step 4 -Install expansion cards Step 5 -Connect ribbon cables, cabinet wires and power supply Step 6 -Setup BIOS software Step 7 -Install supporting software tools Step 2 Step 3 Step 1 Step 5 Step 5 Step 4 GA-7VAXFS Motherboard -8- Step 1: Install the Central Processing Unit (CPU) Step 1-1: CPU Speed Setup The system bus frequency can be switched at 100/133/166 MHz.

English SW1 CPU CLOCK 100MHz 133 MHz 166 MHz 1 22 SW1 (CPU CLOCK) ON OFF OFF OFF OFF ON -9- Hardware Installation Process English Step 1-2: CPU Installation CPU Top View CPU Bottom View Socket Actuation Lever 1. Pull up the CPU socket lever and up to 90-degree angle. 2. Locate Pin 1 in the socket and look for a (golden) cut edge on the CPU upper corner. Then insert the CPU into the socket.

Please make sure the CPU type is supported by the motherboard. If you do not match the CPU socket Pin 1 and CPU cut edge well, it will cause improper installation. Please change the insert orientation. GA-7VAXFS Motherboard - 10 - Pin1 indicator Step 1-3: CPU Heat Sink Installation English 1.Press down the CPU socket lever and finish CPU installation.

2.Use qualified fan approved by AMD. 3.Fasten the heatsink supporting-base onto the CPU socket on the mainboard. 4.Make sure the CPU fan is plugged to the CPU fan connector, than install complete. Please use AMD approved cooling fan. We recommend you to apply the thermal paste to provide better heat conduction between your CPU and heatsink. Make sure the CPU fan power cable is plugged in to the CPU fan connector, this completes the installation. Please refer to CPU heat sink user's manual for more detail installation procedure.

- 11 - Hardware Installation Process English Step 2: Install memory modules The motherboard has 3 dual inline memory module (DIMM) sockets. The BIOS will automatically detects memory type and size. To install the memory module, just push it vertically into the DIMM socket. The DIMM module can only fit in one direction due to the notch. Memory size can vary between sockets. Support Unbuffered DDR DIMM Sizes type: 64 Mbit (2Mx8x4 banks) 64 Mbit (1Mx16x4 banks) 128 Mbit (2Mx16x4 banks) 512 Mbit (16Mx8x4 banks) 256 Mbit (8Mx8x4 banks) 512 Mbit (8Mx16x4 banks) 128 Mbit (4Mx8x4 banks) 256 Mbit (4Mx16x4 banks) DDR 1.



[You're reading an excerpt. Click here to read official GIGABYTE GA-7VAXFS user guide](http://yourpdfguides.com/dref/2325332)
<http://yourpdfguides.com/dref/2325332>

The DIMM socket has a notch, so the DIMM memory module can only fit in one direction. 2. Insert the DIMM memory module vertically into the DIMM socket. Then push it down.

3. Close the plastic clip at both edges of the DIMM sockets to lock the DIMM module. Reverse the installation steps when you wish to remove the DIMM module. When RAM_LED is ON, you do not install / remove DDR from socket. Please note that the DIMM module can only fit in one direction due to the two notches.

Wrong orientation will cause improper installation. Please change the insert orientation. When using double sided DDR266 modules, only a maximum of 2 sockets can be populated. The 3rd socket has to be free. GA-7VAXFS Motherboard - 12 - DDR Introduction Established on the existing SDRAM industry infrastructure, DDR (Double Data Rate) memory is a high performance and cost-effective solution that allows easy adoption for memory vendors, OEMs and system integrators.

DDR memory is a sensible evolutionary solution for the PC industry that builds on the existing SDRAM infrastructure, yet makes awesome advances in solving the system performance bottleneck by doubling the memory bandwidth. DDR SDRAM will offer a superior solution and migration path from existing SDRAM designs due to its availability, pricing and overall market support. PC2100 DDR memory (DDR266) doubles the data rate through reading and writing at both the rising and falling edge of the clock, achieving data bandwidth 2X greater than PC133 when running with the same DRAM clock frequency.

With peak bandwidth of 2.1GB per second, DDR memory enables system OEMs to build high performance and low latency DRAM subsystems that are suitable for servers, workstations, high-end PC's and value desktop SMA systems. With a core voltage of only 2.5 Volts compared to conventional SDRAM's 3.3 volts, DDR memory is a compelling solution for small form factor desktops and notebook applications. English Step 3: Install expansion cards 1. @@2.

@@3. Press the expansion card firmly into expansion slot in motherboard. 4. Be sure the metal contacts on the card are indeed seated in the slot. 5. Replace the screw to secure the slot bracket of the expansion card. 6. Replace your computer's chassis cover. 7. @@8.

@@@@@@@@@In order to utilize the front audio header, your chassis must have front audghlighted setup function is displayed at the bottom of the screen. Status Page Setup Menu / Option Page Setup Menu Press F1 to pop up a small help window that describes the appropriate keys to use and the possible selections for the highlighted item. @@@@@@Use arrow keys to select among the items and press <Enter> to accept or enter the sub-menu.

CMOS Setup Utility-Copyright (C) 1984-2002 Award Software Standard CMOS Features Advanced BIOS Features Itgae Prpeas nertd eihrl Power Management Setup PPPI Cniuin n/C ofgrtos P Hat Sau C elh tts Frequency/Voltage Control EcQi s:ut F: QFah 8 -ls :et Ie Slc tm F0Sv & Ei Stp 1:ae xt eu Tm, Dt, Hr Ds Tp..

ie ae ad ik ye. Fgr 1 Mi Mn iue : an eu La Fi-ae Dfut od alSfeals La Otmzd Dfut od piie eals Set Supervisor Password Set User Password Sv & Ei Stp ae xt eu Ei Wtot Svn xt ihu aig Standard CMOS Features This setup page includes all the items in standard compatible BIOS. Advanced BIOS Features This setup page includes all the items of Award special enhanced features. GA-7VAXFS Motherboard -2 4 Integrated Peripherals This setup page includes all onboard peripherals. English Power Management Setup This setup page includes all the items of Green function features.

PnP/PCI Configurations This setup page includes all the configurations of PCI & PnP ISA resources. PC Health Status This setup page is the System auto detect Temperature, voltage, fan, speed. Frequency/Voltage Control This setup page is control CPU's clock and frequency ratio. Load Fail-Safe Defaults Fail-Safe Defaults indicates the value of the system parameters which the system would be in safe configuration. Load Optimized Defaults Optimized Defaults indicates the value of the system parameters which the system would be in best performance configuration. Set Supervisor password Change, set, or disable password. It allows you to limit access to the system and Setup, or just to Setup. Set User password Change, set, or disable password. @@o a.

@@@@Through Dec.

@@The time is calculated base on the 24-hour military-time clock. For example, 1 p.m. @@There are two types: auto type, and manual type. @@@@@@@@@@@@@5 n h C t p t n a d r v ; 6 K y e a a i y. @@ic we 3 Md i Eald. @@nh obesdd rv; 2K ye aaiy 35 ic dul-ie die 14M bt cpct . n h o b e s d d r v ; . 4 y e a a i y. 35 ic dul-ie die 28M bt cpct .

n h o b e s d d r v ; . @@Dfut au) Die A i 3 md Fop Die rv s oe lpy rv. Die B i 3 md Fop Die rv s oe lpy rv. Die A & B ae 3 md Fop Die. @@@@@@@@@@@@@@@@@@@@@@Slc yu bo dvc pirt b LI0 eet or ot eie roiy y S2.

Slc yu bo dvc pirt b HD03 eet or ot eie roiy y D-. Slc yu bo dvc pirt b SS. eet or ot eie roiy y CI Select your boot device priority by CDROM. S l c y u b o d v c p i r t b Z P. eet or ot eie roiy y I Slc yu bo dvc pirt b UBFD eet or ot eie roiy y S-D.

S l c y u b o d v c p i r t b U B Z P. eet or ot eie roiy y S-I -2 9 BIOS Setup English USB-CDROM USB-HDD LAN Dsbe iald Select your boot device priority by USB-CDROM. Slc yu bo dvc pirt b UBHD eet or ot eie roiy y S-D. Slc yu bo dvc pirt b LN eet or ot eie roiy y A. Slc yu bo dvc pirt b Dsbe. eet or ot eie roiy y iald Boot Up Floppy Seek During POST, BIOS will determine the floppy disk drive installed is 40 or 80 tracks. 360K type is 40 tracks 720K, 1.2M and 1.44M are all 80 tracks. Dsbe iald BO wl nt sac fr te tp o fop ds die b tak nme.

Nt IS il o erh o h ye f lpy ik rv y rc ubr oe ta tee wl nt b ay wrig msae i te die isald i 30. ht hr il o e n ann esg fh rv ntle s 6K (eal vle Dfut au) Enabled BO sace fr fop ds die t drie i i 4 o 8 tak. Nt IS erhs o lpy ik rv o eemn t s 0 r 0 rcs oe ta BO cn nt tl fo 70, 12 o 14M die tp a te ae ht IS a o el rm 2K .M r .4 rv ye s hy r al 8 tak. 10 rcs Full Screen LOGO Show Ti faue alw yu t so te cmay lg o te bou sre. hs etr los o o hw h opn oo n h otp cen Dsbe iald Enabled Shows the POST messages at boot. Sos te sil iaeLG) o te fl sre a bo. (eal vle hw h tl mg(OO n h ul cen t ot Dfut au) GA-7VAXFS Motherboard -3 0 Integrated Peripherals

CMOS Setup Utility-Copyright (C) 1984-2002 Award Software Itgae Prpeas nertd eihrl OnChip IDE Channel0 OnChip IDE Channel1 IDE1 Conductor Cable IDE2 Conductor Cable AC97 Audio MC97 Modem Ii Dsly Frt nt ipa is UB 11 Cnrle S . otolr UB 20 Cnrle S .

otolr USB Keyboard Support USB Mouse Support Onboard H/W LAN Obad Sra Pr 1 nor eil ot Obad Sra Pr 2 nor eil ot UART Mode Select x UR2 Duplex Mode Obad Prle Pr nor aall ot Prle Pr Md aall ot oe : Mv oe EtrSlc ne:et [nbe] Eald [nbe] Eald [uo At] [uo At] [uo At] [uo At] [AGP] [nbe] Eald [nbe] Eald [iald Dsbe] [iald Dsbe] [nbe] Eald [3F8/IRQ4] [2F8/IRQ3] [oml Nra] Hl af [378/IRQ7] [EPP] + - P / D Va u //UP: le F0Sv 1:ae ECEi S:xt F:eea Hl 1 Gnrl ep [iald Dsbe] Dsbe obad IE ial nor D channel [nbe] Eald Enable onboard IDE channel Ie Hl tm ep Menu Level I a hr ds fad ik cnrle cr i otolr ad s ue, st a Dsbe sd e t iald English F:rvos Va u s 5Peiu l e F:alsf Dfut 6Fi-ae eals Fgr 5 Itgae Prpeas iue : nertd eihrl F:piie Dfut 7Otmzd eals OnChip IDE Channel0 Dsbe iald Enabled Dsbe IE fnto.



[You're reading an excerpt. Click here to read official GIGABYTE GA-7VAXFS user guide](http://yourpdfguides.com/dref/2325332)

ial D1 ucin E a l I E f n t o . (e a l V a u) n b e D I u c i n D f u t l e O n C h i p I D E C h a n n e l I D s b e i a l d E n a b l e d D s b e I E f n t o . i a l D 2 u c i n E a l I E f n t o . D f u t V a u) n b e D 2 u c i n (e a l l e - 3 1 B I O S S e t u p E n g l i s h I D E I C o n d u c t o r C a b l e A t u o A T A 6 6 / 1 0 0 / 1 3 3 W i l b a t m t c l y d t c e b B O . (e a l V a u) l e u o a i a l e e t d y I S D f u t l e S t I E C n u t r C b e t A T A 6 6 / 1 0 0 / 1 3 3 (P l e a s e m a k e s u r e y o u r I D E d e v i c e e D 1 o d c o a l o a d c b e i c m a i l w t A T A 3 . n a l s o p t b e i h 3) A T A 3 3 I D E 2 C o n d u c t o r C a b l e A t u o A T A 6 6 / 1 0 0 / 1 3 3 W i l b a t m t c l y d t c e b B O . (e a l V a u) l e u o a i a l e e t d y I S D f u t l e S t I E C n u t r C b e t A T A 6 6 / 1 0 0 / 1 3 3 (P l e a s e m a k e s u r e y o u r I D E e D 2 o d c o a l o d v c a d c b e i c m a i l w t A T A 6 6 / 1 0 0 / 1 3 3) . e i e n a l s o p t b e i h S t I E C n u t r C b e t A T A 3 3 (P l e a s e m a k e s u r e y o u r I D E d e v i c e e D 2 o d c o a l o a d c b e i c m a i l w t A T A 3 . n a l s o p t b e i h 3) A T A 3 3 A C 9 7 A u d i o A t u o D s b e i a l d W l b a t m t c l y d t c e i l e u o a i a l e e t d D s b e t i f n t o i a l h s u c i n A C 9 7 A u d i o A t u o D s b e i a l d W l b a t m t c l y d t c e i l e u o a i a l e e t d D s b e t i f n t o . @ @ @ @ S t I i D s l y F r t t A G P . @ @ (e a l v l e n b e S . @ @ (e a l v l e n b e S . @ @ D s b e i a l d E n a b l e d D s b e U B k y o r s p o t (e a l v l e i a l S e b a d u p r . @ @ D s b e i a l d E n a b l e d D s b e U B m u e s p o t (e a l v l e i a l S o s u p r . @ @ @ @ (e a l V a u) n b e n o r a h p u c i n D f u t l e D s b e t i f n t o . @ @ @ @ S t I i D s l y F r t t A G P . @ @ E a l o b a d S r a p r A a d u i g d d r s 3 8 , I Q . @ @ n b e n o r e i l o t n s n a d e s F R 3 E a l o b a d S r a p r A a d u i g d d r s 3 8 , I Q . n b e n o r e i l o t n s n a d e s E R 4 E a l o b a d S r a p r A a d u i g d d r s 2 8 , I Q .

n b e n o r e i l o t n s n a d e s E R 3 - 3 3 B I O S S e t u p E n g l i s h A t u o B O w l a t m t c l y s t p t e p r A a d e s I S i l u o a i a l e u h o t d r s . O n b o a r d S e r i a l P o r t 2 D s b e i a l d 3 F 8 / I R Q 4 2 F 8 / I R Q 3 3 E 8 / I R Q 4 2 E 8 / I R Q 3 A t u o D s b e o b a d S r a p r B (e a l V a u) i a l n o r e i l o t . D f u t l e E a l o b a d S r a p r B a d u i g d d r s 3 8 , I Q . n b e n o r e i l o t n s n a d e s F R 4 E a l o b a d S r a p r B a d u i g d d r s 2 8 , I Q . n b e n o r e i l o t n s n a d e s F R 3 E a l o b a d S r a p r B a d u i g d d r s 3 8 , I Q . n b e n o r e i l o t n s n a d e s E R 4 E a l o b a d S r a p r B a d u i g d d r s 2 8 , I Q . n b e n o r e i l o t n s n a d e s E R 3 B O w l a t m t c l y s t p t e p r B a d e s I S i l u o a i a l e u h o t d r s . U A R T M o d e S e l e c t T i e a l w y u t d r i e w i h I f a R d l) f n t o o O b a d I O c i . h s t m l o s o o e e m n h c n r e (R u c i n f n o r / h p N o r m a l I D r A A S K I R S C R S t o b a d I O c i U R T t N r a M d . (e a l V a u) e n o r /

e n o r / h p A T o r A o e S e t o n b o a r d I / O c h i p U A R T t o A S K I R M o d e . S e t o n b o a r d I / O c h i p U A R T t o S C R M o d e . U R 2 D u p l e x M o d e # T i e w l b a a l b e w e " A T M d S l c " s t a " r A o " " S I " m d . h s t m i l e v i a l h n U R o e e e t e t I D " r A K R o e F l u l H l a f I f n t o D p e F l . R u c i n u l x u l I F n t o D p e H l . (e a l V a u) R u c i n u l x a f D f u t l e O n B o a r d P a r a l l e l P o r t T i f a u e a l w y u t s l c f o a g v n s t o p r m r i t e p r l e p r u e t e o b a d h s e t r l o s o o e e t r m i e f a a e e s f h a a l l o t s s h n o r I O c n r l e . / o t o l r D s b e i a l d 3 7 8 / I R Q 7 2 7 8 / I R Q 5 3 B C / I R Q 7 D s b e o b a d P r l e p r . i a l n o r a a l l o t E n a b l e o n b o a r d L P T p r a d s t a d e s a 3 8 u i g I Q . (e a l V a u) o t n e d r s t 7 , s n R 7 D f u t l e E a l o b a d L T p r a d s t a d e s a 2 8 u i g I Q . n b e n o r P o t n e d r s t 7 , s n R 5 E a l o b a d L T p r a d s t a d e s a 3 C u i g I Q .

n b e n o r P o t n e d r s t B , s n R 7 P a r a l l e l P o r t M o d e T i f a u e a l w y u t c n e t w t a v n e p i t r v a t e p r m d i s p o t . h s e t r l o s o o n o n c i h n d a c d r n e i h o t o e t u p r s S P P E P P E C P E C P + E P P U i g L T p r a S a d r P r l e P r . s n P o t s n a d a a l l o t U i g P r l e p r a E h n e P r l e P r . (e a l V a u) s n a a l l o t s n a c d a a l l o t D f u t l e U i g P r l e p r a E m e C p b l t e P r . s n a a l l o t s x e d d a a i i i s o t U s i n g P a r a l l e l p o r t a s E C P & E P P m o d e . G A - 7 V A X F S M o t h e r b o a r d - 3 4 P o w e r M a n a g e m e n t S e t u p C M O S S e t u p U t i l i t y - C o p y r i g h t (C) 1 9 8 4 - 2 0 0 2 A w a r d S o f t w a r e P o w e r M a n a g e m e n t S e t u p A C P I S u s p e n d T y p e U S B D e v i c e W a k e - U p F r o m S 3 S o f t - O f f b y P W R B T N A C B A C K F u n c t i o n K e y b o a r d P o w e r O n M o u s e P o w e r O n P M E E v e n t W a k e U p M o d e m R i n g O n / W a k e O n L a n R e s u m e b y A l a r m x D y (f M n h A l a r m a o t) x T i m e (h h : m m : s s) A l a r m [S 3 (S T R)] [i a l d D s b e] [n t n - f] I s a t O f [M e m o r y] [i a l d D s b e] [i a l d D s b e] [n b e] E a l d [n b e] E a l d [i a l d D s b e] E v e r y d a y S t s s e d t p t e u p n y e o 0 : 0 : 0 S u s p e n d t o R A M u n d e r A C P I O S [3 S] [1 S] S t s s e d t p t e u p n y e o P o w e r O n S u s p e n d u n d e r A C P I O S I e H l t m e p M e n u L e v e l E n g l i s h : M v o e E t r S l c n e : e e t + - P / D V a u // U P : l e F 0 S v l : a e E C E i S : x t F : e e a H l 1 G n r l e p F : r v o s V a u s 5 P e i u l e F : a l S f D f u t 6 F i - a e e a l s F : p i i e D f u t 7 O t m z d e a l s F i g u r e 6 : P o w e r M a n a g e m e n t S e t u p A C P I S u s p e n d T y p e S 1 (P O S) S 3 (S T R) S e t s u s p e n d t y p e t o P o w e r O n S u s p e n d u n d e r A C P I O S . S t s s e d t p t s s e d T o R A M u n d e r A P O . (e a l V a u) e u p n y e o u p n C I S D f u t l e U S B D e v i c e W a k e - U p F r o m S 3 D s b e i a l d E n a b l e d D i s a b l e U S B D e v i c e W a k e u p F r o m S 3 . E n a b l e U S B D e v i c e W a k e u p F r o m S 3 . (e a l V a u) D f u t l e - 3 5 B I O S S e t u p E n g l i s h S o f t - O f f b y P W R B T N D e l a y 4 S e c I s a t O f n t n - f U e c n p e s P w r b t o t p w r o s s e i s a t y .

(e a l V a u) s r a r s o e u t n o o e f f y t m n t n l D f u t l e U e c n p e s P w r b t o f r 4 s c n s t p w r o f s s e . S s e w l s r a r s o e u t n o e o d o e f y t m y t m i l e t r s s e d m d i b t o i p e s d l s t a 4 s c n s n e u p n o e f u t n s r s e e h n e o d . A C B A C K F u n c t i o n M e m o r y W e A - o e b c t e s s e , t e s s e w l r t r t e L s a e h n C p w r a k o h y t m h y t m i l e u n o h a t t b f r A C - p o w e r o f f (e a l V a u) e o e D f u t l e F l - n u l O S f f o t O f W e A - o e b c t e s s e , t e s s e w l b i " n s a e h n C p w r a k o h y t m h y t m i l e n O " t t . W e A - o e b c t e s s e , t e s s e w l b i " j " s a e h n C p w r a k o h y t m h y t m i l e n O f t t . K e y b o a r d P o w e r O n D s b e i a l d P a s s w o r d D s b e k y o r p w r o f n t o . (e a l V a u) i a l e b a d o e n u c i n D f u t l e E t r p s w r (r m l t 8 c a a t r) t s t e K y o r p w r o p s w r . n e a s o d f o o h r c e s o e h e b a d o e n a s o d K e y b o a r d 9 8 I t e e i a " o e " k y o y u k y o r , y u c n p e s t e k y t p w r o f h r s P w r e n o r e b a d o a r s h e o e n y o u r s y s t e m . M o u s e P o w e r O n D s b e i a l d E n a b l e d D s b e m u e p w r o f n t o . (e a l V a u) i a l o s o e n u c i n D f u t l e E n a b l e m o v e o r c l i c k P S 2 M o u s e t o P o w e r O n s y s t e m . P M E E v e n t W a k e U p W h e n s e t a t E n a b l e d , a n y P C I - P M e v e n t a w a k e s t h e s y s t e m f r o m a P C I - P M c o n t r o l l e d s t a t e .

D s b e i a l d E n a b l e d D s b e t i f n t o . i a l h s u c i n E n a b l e P M E a s W a e u E e t (e a l V a u) k p v n . D f u t l e M o d e m R i n g O n / W a k e O n L A N A i c m n c l v a m d m a a e t e s s e f o i s s f - f m d . W e s t a E a l d a n n o i g a l i o e w k s h y t m r m t o f o e / h n e t n b e , n i p t s g a c m s f o t e o h r c i n / e v r o t e L N a a k t e s s e f o a s f o s a e i n u i n l o e r m h t e l e t s r e n h A w r s h y t m r m o t f t t f c o n n e c t e d o v e r L A N . D s b e i a l d E n a b l e d D i s a b l e M o d e m R i n g o n / W a k e o n L a n f u n c t i o n . E n a b l e M o d e m R i n g o n / W a e o L n (e a l V a u) k n a . D f u t l e G A - 7 V A X F S M o t h e r b o a r d - 3 6 R e s u m e b y A l a r m Y o u c a n s e t " R e s u m e b y A a m i e t e a l d a d k y i d t i e t p w r o s s e .



[You're reading an excerpt. Click here to read official GIGABYTE GA-7VAXFS user guide](http://yourpdfguides.com/dref/2325332)
<http://yourpdfguides.com/dref/2325332>

l r " t m o n b e n e n a a t m o e n y t m D s b e i a l d E n a b l e d D s b e i f n t o . @ @ @ @ @ @ S t a Y e , I y u a e u i g P u a d P a c p b e o e a i g s s e . @ @ (e a l v l e u o s i n R o C 1 D f u t a u) S t I Q 3 4 5 7 9 1 , 2 1 , 5 t P I .

e R , , , , 0 1 1 1 , 4 1 o C 4 P C I 2 I R Q A s s i g n m e n t A t u o 3 4 5 7 9 1 , , 2 1 , 5 , , , , 0 1 1 1 , 4 1 A t a s g I Q t P I . (e a l v l e u o s i n R o C 1 D f u t a u) S t I Q 3 4 5 7 9 1 , 2 1 , 5 t P I . e R , , , , 0 1 1 1 , 4 1 o C 4 G A - 7 V A X F S M o t h e r b o a r d - 3 8 P C I 3 I R Q A s s i g n m e n t A t u o 3 4 5 7 9 1 , , 2 1 , 5 , , , , 0 1 1 1 , 4 1 A t a s g I Q t P I . (e a l v l e u o s i n R o C 2 D f u t a u) S t I Q 3 4 5 7 9 1 , 2 1 , 5 t P I . e R , , , , 0 1 1 1 , 4 1 o C 1 5 E n g l i s h P C I 4 I R Q A s s i g n m e n t A t u o 3 4 5 7 9 1 , , 2 1 , 5 , , , , 0 1 1 1 , 4 1 A t a s g I Q t P I . (e a l v l e u o s i n R o C 3 D f u t a u) S t I Q 3 4 5 7 9 1 , 2 1 , 5 t P I . e R , , , , 0 1 1 1 , 4 1 o C 2 6 - 3 9 B I O S S e t u p E n g l i s h P C H e a l t h S t a t u s C M O S S e t u p U t i l i t y - C o p y r i g h t (C) 1 9 8 4 - 2 0 0 2 A w a r d S o f t w a r e P n P / P C I C o n f i g u r a t i o n s R e s e t C a s e O p e n S t a t u s C a s e O p e n e d V C O R E V t t + 3 . 3 V + 5 V + 1 2 V 5 V S B C r e t S s e T e m p e r a t u r e u r n y t m C u r r e n t C P U F A N S p e e d C u r r e n t S Y S T E M F A N S p e e d C u r r e n t P O W E R F A N S p e e d C u r r e n t C P U T e m p e r a t u r e [i a l d D s b e] N o 1 . 7 7 8 V 1 . 2 3 2 V 3 2 .

V 4.945V 12.288V 4.999V [nbe] Eald 36°C 6490 RPM 0 RPM 0 RPM 59°C / 1384°F Cer cs oe la ae pn sau a nx bo tts t et ot [iald Dsbe] Dnt rst cs o' ee ae oe sau pn tts le Hl tm ep Menu Level : Mv oe EtrSlc ne: e e t + - P / D Va u // U P : l e F 0 S v 1 : a e E C E i S : x t F : e e a H l 1 G n r l e p F : r v o s V a u s 5 P e i u l e F : a l S f D f u t 6 F i - a e e a l s F g r 8 P H a t S a u i u e : C e l h t s F : p i i e D f u t 7 O t m z d e a l s R e s e t C a s e O p e n S t a t u s C a s e O p e n e d I t e c s i c o e , " a e O e e " w l s o " o . @ @ @ @ @ @ @ e e t a p e t t s u o a i a l C u r r e n t C P U T e m p e r a t u r e D t c C U t m e a u e a t m t c l y . e e t P e p r t r u o a i a l - 4 1 B I O S S e t u p E n g l i s h F r e q u e n c y / V o l t a g e C o n t r o l C M O S S e t u p U t i l i t y - C o p y r i g h t (C) 1 9 8 4 - 2 0 0 2 A w a r d S o f t w a r e F e u n y V l a e C n r l r q e c / o t g o t o D R A M C l o c k (M H z) [B y S P D] I e H l t m e p M e n u L e v e l : M v o e E t r S l c n e : e e t + - P / D V a u // U P : l e F 0 S v 1 : a e E C E i S : x t F : e e a H l 1 G n r l e p F : r v o s V a u s 5 P e i u l e F : a l S f D f u t 6 F i - a e e a l s F : p i i e D f u t 7 O t m z d e a l s F g r 9 F e u n y V l a e C n r l i u e : r q e c / o t g o t o D R A M C l o c k (M H z) T i f a u e a l w y u t a j s t e D A f e u n y , p e s s t D A C o k a c r i g t h s e t r l o s o o d u t h R M r q e c l a e e R M l c o d n o y u r q i e e t I c r e t u i g i m y c u e y u s s e b o e . F r p w r E d U e u e o l ! o r e u r m n . n o r c s n t a s o r y t m r k n o o e n - s r s n y B y S P D 1 3 3 - D D R 2 6 6 1 6 6 - D D R 3 3 3 2 0 0 - D D R 4 0 0 S e t D R A M C l o c k b y S P D . (D e f a u l t V a l) u e S e t D R A M C l o c k a t 1 3 3 M H z , i f y o u a r e u s i n g D D R 2 6 6 D R A M m o d u l e . S e t D R A M C l o c k a t 1 6 6 M H z , i f y o u a r e u s i n g D D R 3 3 3 D R A M m o d u l e .

Set DRAM Clock at 200MHz, if you are using DDR400 DRAM module. GA-7VAXFS Motherboard -4 2 Load Fail-Safe Defaults CMOS Setup Utility-Copyright (C) 1984-2002 Award Software Standard CMOS Features Advanced BIOS Features Itgae Prpeas nertd eihr La Fi-ae Dfud od alSf eals La Otmzd Dfud od piie eals Set Supervisor Password English Power Management Setup Fail-Safe Defaults (Y/N) ? N Set User Password Load PPPI Cniuain n/C ofgrtos P Hat Sau C elh tts Frequency/Voltage Control EcQi s:ut F: QFah 8 -ls : e e t I e S l c t m F 0 S v & E i S t p 1 : a e x t e u L a F i - a e D f u t o d a l S f e a l s F g r 1 : L a F i - a e D f u t i u e 0 o d a l S f e a l s S v & E i S t p a e x t e u E i W t o t S v n x t i h u a i g L o a d F a i l - S a f e D e f a u l t s F a i l - S a f e d e f a u l t s c o n t a i n t h e m o s t a p p r o p r i a t e v a l u e s o f t h e s y s t e m p a r a m e t e r s t h a t a l l o w m i n i m u m s y s t e m p e r f o r m a n c e . - 4 3 B I O S S e t u p E n g l i s h L o a d O p t i m i z e d D e f a u l t s C M O S S e t u p U t i l i t y - C o p y r i g h t (C) 1 9 8 4 - 2 0 0 2 A w a r d S o f t w a r e S t a n d a r d C M O S F e a t u r e s A d v a n c e d B I O S F e a t u r e s I t g a e P r p e a s n e r t d e i h r L a F i - a e D f u t o d a l S f e a l s L a O t m z d D f u t o d p i i e e a l s S e t S u p e r v i s o r P a s s w o r d P o w e r M a n a g e m e n t S e t u p O p t i m i z e d D e f a u l t s (Y / N) ? N S e t U s e r P a s s w o r d L o a d O p t i m i z e d D e f a u l t s (Y / N) ? N P P P I C n i u a i n n / C o f g r t o s P H a t S a u C e l h t s F r e q u e n c y / V o l t a g e C o n t r o l E c Q i s : u t F : Q F a h 8 - l s : e e t I e S l c t m F 0 S v & E i S t p 1 : a e x t e u L a O t m z d D f u t o d p i i e e a l s F g r 1 1 L a O t m z d D f u t i u e : o d p i i e a l s S v & E i S t p a e x t e u E i W t o t S v n x t i h u a i g L o a d O p t i m i z e d D e f a u l t s S e l e c t i n g t h i s f i e l d l o a d s t h e f a c t o r y d e f a u l t s f o r B I O S a n d C h i p s e t F e a t u r e s w h i c h t h e s y s t e m a u t o m a t i c a l l y d e t e c t s . G A - 7 V A X F S M o t h e r b o a r d - 4 4 S e t S u p e r v i s o r / U s e r P a s s w o r d C M O S S e t u p U t i l i t y - C o p y r i g h t (C) 1 9 8 4 - 2 0 0 2 A w a r d S o f t w a r e S t a n d a r d C M O S F e a t u r e s A d v a n c e d B I O S F e a t u r e s I t g a e P r p e a s n e r t d e i h r L a F i - a e D f u t o d a l S f e a l s L a O t m z d D f u t o d p i i e e a l s S e t S u p e r v i s o r P a s s w o r d E n g l i s h P o w e r M a n a g e m e n t S e t u p P a s s w o r d : : S e t U s e r P a s s w o r d E n t e r E n t e r P a s s w o r d P P P I C n i u a i n n / C o f g r t o s P H a t S a u C e l h t s F r e q u e n c y / V o l t a g e C o n t r o l E c Q i s : u t F : Q F a h 8 - l s : e e t I e S l c t m F 0 S v & E i S t p 1 : a e x t e u C h a n g e / S e t / D i s a b l e P a s s w o r d F g r 1 : P s w r S t i g i u e 2 a s o d e t n S v & E i S t p a e x t e u E i W t o t S v n x t i h u a i g W h e n y o u s e l e c t t h i s f u n c t i o n , t h e f o l l o w i n g m e s s a g e w i l l a p p e a r a t t h e c e n t e r o f t h e s c r e e n t o a s s i s t y o u i n c r e a t i n g a p a s s w o r d . T y p e t h e p a s s w o r d , u p t o e i g h t c h a r a c t e r s , a n d p r e s s < E n t e r > .

You will be asked to confirm the password. Type the password again and press <Enter>. You may also press <Esc> to abort the selection and not enter a password. To disable password, just press <Enter> when you are prompted to enter password. A message "PASSWORD DISABLED" will appear to confirm the password being disabled.

Once the password is disabled, the system will boot and you can enter Setup freely. The BIOS Setup program allows you to specify two separate passwords: SUPERVISOR PASSWORD and a USER PASSWORD. When disabled, anyone may access all BIOS Setup program function. When enabled, the Supervisor password is required for entering the BIOS Setup program and having full configuration fields, the User password is required to access only basic items. If you select "System" at "Password Check" in Advance BIOS Features Menu, you will be prompted for the password every time the system is rebooted or any time you try to enter Setup Menu. If you select "Setup" at "Password Check" in Advance BIOS Features Menu, you will be prompted only when you try to enter Setup. -4 5 BIOS Setup English Save & Exit Setup CMOS Setup Utility-Copyright (C) 1984-2002 Award Software Standard CMOS Features Advanced BIOS Features Itgae Prpeas nertd eihr La Fi-ae Dfud od alSf eals La Otmzd Dfud od piie eals Set Supervisor Password Power Management Setup to CMOS and EXIT (Y/N)? N Set User Password SAVE SAVE to CMOS and EXIT (Y/N) ? N PPPI Cniuain n/C ofgrtos P Hat Sau C elh tts Frequency/Voltage Control EcQi s:ut F: QFah 8 -ls : e e t I e S l c t m F 0 S v & E i S t p 1 : a e x t e u S a v e D a t a t o C M O S F g r 1 : S v & E i S t p i u e 3 a e x t e u S v & E i S t p a e x t e u E i W t o t S v n x t i h u a i g T p "" w l q i t e S t p U i i y a d s v t e u e s t p v l e t R C C O . y e Y i l u t h e u t l n a e h s r e u a u o T M S T y e " " w l r t r t S t p U i i y .



[You're reading an excerpt. Click here to read official GIGABYTE GA-7VAXFS user guide](http://yourpdfguides.com/dref/2325332)

p N il eun o eu tlt GA-7VAXFS Motherboard -4 6 Exit Without Saving CMOS Setup Utility-Copyright (C) 1984-2002 Award Software Standard CMOS Features Advanced BIOS Features Itgae Prpeas nerid eihrl La Fi-ae Dfut od alSf eals La Otmzd Dfut od piie eals Set Supervisor Password English Power Management Setup Without Saving (Y/N) ? N Set User Password Quit Quit Without Saving (Y/N) ? N PPPI Cniuain n/C ofgrtos P Hat Sau C elh tts Frequency/Voltage Control EcQi s:ut F: QFah 8 -ls :eet Ie Slc tm FOSv & Ei Stp I:ae xt eu Aadn al Dt bno l aa Fgr I: Ei Wtot Svn iue 4 xt ihu aig Sv & Ei Stp ae xt eu Ei Wtot Svn xt ihu aig Tp "" wl qi te Stp Uiiy wtot svn t RC CO. ye Y il ut h eu tlt ihu aig o TMS Ty e " " w l r t r t S t p U i i y.

p N il eun o eu tlt -4 7 BIOS Setup .



[You're reading an excerpt. Click here to read official GIGABYTE](#)

[GA-7VAXFS user guide](#)

<http://yourpdfguides.com/dref/2325332>