

Re: Computer won't boot up after installing new RAM

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.hardware/2009-06/msg00561.html>

- *From:* "Gerry" <gerry@xxxxxxxxxx>
 - *Date:* Mon, 29 Jun 2009 15:17:48 +0100
-

JS / Dave

Perhaps he created an extra notch to make it fit <G>.

--

Hope this helps.

Gerry

~~~~~

FCA

Stourport, England

Enquire, plan and execute

~~~~~

JS wrote:

I agree Dave,

A I mentioned the notch is not in the same location.

I even took a look at an old Gigabyte motherboard

I have from the UK (not the same model as Pool's) and

it will not fit, doesn't matter which way you rotate the

DDR2 memory stick, the notch does not line up.

From the GA-8IPE1000 Series user's manual:

"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."

"Lil' Dave" <spamyourself@xxxxxxxxxx> wrote in message
news:O9fXDzL%23JHA.4176@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Re: Computer won't boot up after installing new RAM

DDR and DDR2 RAM modules are physically different where they plug into the motherboard RAM slots. Both have small notch where they plug into the RAM slot. They differ by this slot arrangement. The slot is one off to be aligned in the RAM slot if using the wrong type. How you plug a DDR2 RAM module into a slot meant for DDR memory is beyond my ability to comprehend. Can anyone clarify?

--
Dave

"JS" <@> wrote in message
news:eU6s8FF%23JHA.3544@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

You correct Gerry, I missed it.
The Kingston memory is 240 pin and as the manual states the motherboard uses 184 pin memory.DDR and he purchased DDR2 memory not DDR as stated in his original post.

What puzzles me is how did he insert the DDR2 in a DDR slot
the notch isn't in the same place???

--
JS
<http://www.pagestart.com>

"Gerry" <gerry@xxxxxxxx> wrote in message
news:OsVdPHE%23JHA.528@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

JS

FWIW two others have suggested that 184 pin memory is specified in the motherboard manual. The new memory is not 184 pin. You can read the manual in my earlier post.

--

Gerry
~~~~  
FCA  
Stourport, England  
Enquire, plan and execute  
~~~~~

JS wrote:

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If the Power Supply fan is making uncommon noises then yes replace it with a unit that at least equal to the wattage rating on the power supply sticker. Look for the number of 12V rails and the wattage for each rail.

If you have a 350 Watt power supply now then replace it with a 450 or 550 watt supply to give you some spare wattage in case you plan additional upgrades.

Now as to the memory issue, if the computer works fine with the old memory sticks then you either have defective sticks or more likely incompatible memory. Try the Crucial Memory Advisor link:

<http://www.crucial.com/store/listmfgr.asp?cat=RAM>

From what you posted the value of your "Current CPU Temperature 64C" is way too high especially if the computer is basically at idle (no load). You may want

to look at a better heatsink and fan plus Arctic Clean 1 & 2 to clean off the old past or pad one your CPU

<http://www.arcticsilver.com/arcticlean.htm>
and Arctic "Ceramique" for the thermal paste.
<http://www.arcticsilver.com/ceramique.htm>

Read the instructions carefully on how to remove the old

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past/pad from the CPU and
the clean it using Artic
Clean.

Same for applying the paste
for a socket 478 CPU. Do
it properly and you CPU
should drop down to about
34C
at idle.

But take care of the memory
issue first.

Also check your existing
values:

CAS
Latency
Time 3
Active to
Percharge
Delay 8
DRAM
RAS# to
CAS#
Delay 3
DRAM
RAS#
Percharge 3

How do these values
compare with your old
and new memory?

"Pool"

<Pool@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:1A02FA34-59FC-4EE4-AEBB-572307D1DCCE@xxxxxxxxxxxxxxxx

Hi JS

I cannot get
the
computer to
boot using
1GB RAM
so i have no
way
to enter
BIOS.I can

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give you the
information
you wanted
to know
in BIOS
using
256MB
RAM which
is installed
to be able to
use the
computer
PC Health
Status

VCore OK
DDR25V
OK
+3.3V OK
+5V Ok
+12V OK

Current
CPU
Temperature
64C
Current
CPU FAN
Speed 3835
RPM
Current
System
FAN Speed
0 RPM

Frequency /
Voltage
Control

CPU Host
Clock
Control
[Disabled]
CPU Host
Frequency(MHZ)
100
AGP/PCI/SRC
Fixed
66/33/100

Memory

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Frequency
For [Auto]
Memory
Frequency(MHZ)
400
AGP/PCI/SRC
Frequency(MHZ)
66/33/100

DIMM over
Voltage
Control
[Normal]
AGP over
Voltage
Control
[Normal]
CPU
Voltage
Control
[Normal]
Normal
CPU VCore
1.5256V

Advanced
Chipest
Features

Configure
DRAM
Timing
[SPD]
CAS
Latency
Time 3
Active to
Percharge
Delay 8
DRAM
RAS# to
CAS#
Delay 3
DRAM
RAS#
Percharge 3
Refresh
Mode
Select 7.8
us

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When i
pressed on
CTRL+F1 it
didn't give
me anything

Please tell
me what i
shall i do
next.

If i consider
getting a
new RAM
what are the
specifications
i
should look
for inorder
to be sure it
will work
with the
motherboard
i have. Also
do you
think
changing
power
supply unit
could solve
the problem
because
lately it's
Fan make
noises not
like it used
to
be. Thanks
again

It's sound
more and
more like
M.I.T
settings

in
your
BIOS.
What
you

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need
to
do
is
only
insert
one
memory
stick,
boot
and
see
if
you
can
immediately
enter
the
BIOS.
Do
this
by
"Powering
ON
the
computer
and
pressing

key
several
time
to
immediately
will
allow
you
to
enter
BIOS
setup.

If
you
can
select
"Load
Optimized
Defaults",
then
Save

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and
Exit
the
BIOS.
Then
power
down,
turn
off
the
power
supply
or
remove
the
power
cord
wait
30
seconds
and
insert
the
second
memory
stick. Power
up
and
if
see
if
all
is
well.

If
still
having
problems
power
down
and
remove
one
stick.
Then
power
up
and
from
the

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main
BIOS
Menu
enter
the
"Check
PC
Health"
status.
(Page
53
of
the
motherboard
manual)

Next
check
the
"Frequency
and
Voltage
Control"
The
"CPU
Core
voltage"

,
"Memory
Frequency
(MHz)"
and
"CPU
Host
Frequency
(MHz)"
Note:
Mem
Freq
number
must
be
equal
to
or
less
the
Ram
Stick
ratings.
(Page

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55)
Same
for
memory
voltages.
If
you
can
change
the
After
you
check
and
adjust
any
values
if
necessary
go
back
to
the
main
BIOS
menu
and
press
Ctrl+F1,
Gigabyte
sometime
hides
the
advanced
setting
from
users.
Let
me
know
if
Ctrl+F1
brings
up
any
additional
bios
settings

--
JS

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<http://www.pagestart.com>

"Pool"

<Pool@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote

in

message

news:2170D799-C773-4455-AACA-25B8B2471ACF@xx

Hi

JS

Here

are

the

specifications

of

both

new

and

old

RAM

Elixir

256MB

DDR-400MHZ

,

PC3200U-30330

N2DS25680BT-ST

0351.EME03C1201B.120393M.XX.TW

Kingston:

1GB

DDR

PC-3200

ELPIDA

,

D5108AGTA-5B-E

CT1GD64SH08BL-5T

I

tried

installing

one

stick

of

1GB

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then
i
booted
it
worked
normally. Then
when
i
tried
booting
again
it
took
around
20
seconds
to
boot
up. I
tried
booting
a
third
time
it
didn't
boot
at
all. Now
i
am
using
old
RAM. Is
it
a
RAM
problem
or
is
it
something
with
the
power
supply. Please
help.

"JS"
wrote:

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There
is
a
Elixir
Part
number,
see
the
web
site
link
below
and
use
there
part
numbering
scheme,
when
you
post
back
the
actual
part
number
then
I
can
do
a
better
comparison.
http://www.elixir-memory.com/sup_name_r

Also
you
Gigabyte
motherboard
uses
"MIT's"
technology
which
has
been
know
to
cause
the
PC
to

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fail
to
boot
on
socket
775
motherboards
when
you
first
install
new
memory,
this
may
or
may
not
be
the
case
with
the
older
sockets
478
motherboards.
The
solution
is
to
only
install
one
memory
stick
and
power
up
the
PC
and
let
the
BIOS
"learn"
the
memory
requirements
and
then

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after
a
few
successful
reboots
then
install
the
second
memory
stick.

--

JS

<http://www.pagestart.com>

"Pool"

<Pool@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote

in

message

<news:B6BA0425-F211-4692-ADB5-63A5>

Hi

Everyone

Thank

you

so

much

for

trying

to

help

me

solve

the

problem

i

am

having.

I

checked

Memory

frequency

in

Bios

and

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here
what
i
found

Memory
Frequency
For
[Auto]
Memory
Frequency(MHZ)
400
AGP/PCI/SRC
Frequency(MHZ)
66/33/100

Also
here
is
what
written
on
the
old
RAM
which
came
with
the
computer,Please
tell
me
if
it
is
the
same
compatible
with
the
new
RAM
i
bought
recently.Now
i
installed
old
RAM
inorder

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to
be
able
to
use
the
computer.

Old
RAM
:
Two
sticks
of
Elixir
256MB
DDR-400MHZ,
CL3
PC3200U-30330
New
RAM:
Two
sticks
of
Kingston
1GB
DDR
PC-3200

Motherboard:
Gigabyte
Pentium
4
Titan
Series,
GA-8IPE1000-L
Series
FSB
800
,
Dual
DDR
400,
AGP
8X,
2004
GT
Edition

Processor
:

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3.0GHZ
Socket
478

I
am
not
trying
to
install
old
RAM
with
new
RAM,i
am
trying
to
only
install
the
new
RAM
i
got
because
i
want
more
memory.If
you
can
tell
me
if
the
above
specifications
are
compatible
i
would
be
very
much
appreciated.Thanks
again

"JS"
wrote:

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Kingston
Gigabyte
GA-8IPE1000/GA-8IPE1000
Recommended
Memory:
<http://www.ec.kingston.com/>

Kingston
KVR800D2N6/1G
Specs:
<http://www.ec.kingston.com/>

Also
check
the
FSB
speed
for
your
Intel
Processor

Motherboard
manual
(Page
55),
BIOS
setting
=
Memory
Frequency
For
[Auto]

--
JS
<http://www.pagestart.com>

"Pool"
<Pool@xxxxxxxxxxxxxxxxxxxx>
wrote
in
message
<news:310A0FD1-DF43-449>

Hi
JS

Re: Computer won't boot up after installing new RAM

I
didn't
install
both
RAMs
old
and
new
ones
at
the
same
time.Now
i
only
have
the
old
ones
which
are
installed.I
even
tried
to
only
install
one
Stick
of
the
new
RAM
in
a
different
slot
and
still
didn't
work.I
wrote
you
the
model
of
the
new
RAM
i

Re: Computer won't boot up after installing new RAM

got
a
little
while
ago

The
computer
is
a
home
built
Motherboard:
Gigabyte
Pentium
4
Titan
Series
GA-8IPE1000-L

,
2004
GT
Edition
Chipset:
Intel
865PE,
FSB
800,
Dual
DDR
400,
AGP
8x

Processor:
Intel
3.0
MHZ
Socket
478

Hope
that
helps.Thanks
again

"Pool"
wrote:

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Hi
JS

here
is
what
written
on
the
box
of
the
RAM
i
bought
please
tell
me
if
it
is
compatible
with
the
motherboard
i
have

Kingston:
KVR800D2
1GB
PC2-6400
CL6
240-Pin
DIMM

On
the
stick
of
RAM
is
written
:
1GB
DDR
PC-3200
CT1GD64S

Thanks

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again

"Pool"
wrote:

Hi
JS

I
alrea
done
that
test
and
it
gave
me
no
error
is
why
i
don'
know
if
it
is
a
RAM
prob
or
some
relat
to
PSU
said
it
coul
be
a
case
of
a
wron
men
for
my
PC
how
shou

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i
know
if
this
is
the
case
hand
till
4GB
besi
new
RAM
and
old
ones
both
have
same
bus
400.
me
plea

"JS"
wrot

Re: Computer won't boot up after installing new RAM

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