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Thread: The ULTIMATE ASUS CT-479 Adapter Modifications... You want MORE...GET IT... Thread Tools Search Thread Rate This Thread Display

12-05-2005, 05:59 PM #1

hipro5
Xtreme/Share my brothers
Join Date: Aug 2003
Location: Athens--Hellas
Posts: 3,797

The ULTIMATE ASUS CT-479 Adapter Modifications... You want MORE...GET IT... Well, I'll try to explain some things to you in simple words...

REMEMBER THIS: DOTHAN CPU's can do MORE BUT ASUS CT-479 adapter, just DOESN'T let them...

Now...I have a DOTHAN 740 CPU (not mine) in my hands that could do 3D Benchable on air with the ASUS adapter's heatsink, MAX 2700MHz...OK... Put it into a prommie and it did MAX 3074MHz 3D and other stuff benchable...I could run a Super-PI 32M @ 3074MHz also...Everything over 3100MHz was NO GO...Freezings and things like that...Also it couldn't handle over 1.575VCore...

I said to my self: "HOW the hek is it possible to go up to 3100MHz MAX and NOT EVEN 1MHz fsb more than that!.....Do this reminds you something??..."

Time for reading and afterwards modding....

I downloaded Intel's datasheets for Dothan CPU's and take a good look on them....

BINGO

ASUS has done a BIG mistake on the design of the CT-479 adapter as for US Overclockers... Well not really a mistake BUT they didn't have "US" in mind when they designed the adapter... They have designed in for everyone out there....

Modding the adapter I gained:

DOTHAN 740 BEFORE Mods
Benchable 2700MHz on air with the default ASUS heatsink
Benchable 3074MHz in a Prommie

DOTHAN 740 AFTER the Mods
Benchable 2830MHz on air with the default ASUS heatsink

Benchable 3224MHz in a Prommie

PLUS I even HAVEN'T finished searching for MORE mods or for more (beeeeepppp - SORRY NOT now)...

At this point, I'm uploading you the "simple mods" that can be done....

UNFORTUNATELY for you, I will NOT upload the "ULTIMATE Mod" for the time been coz I'm preparing my stuff for some heavy benching in one of the following days...

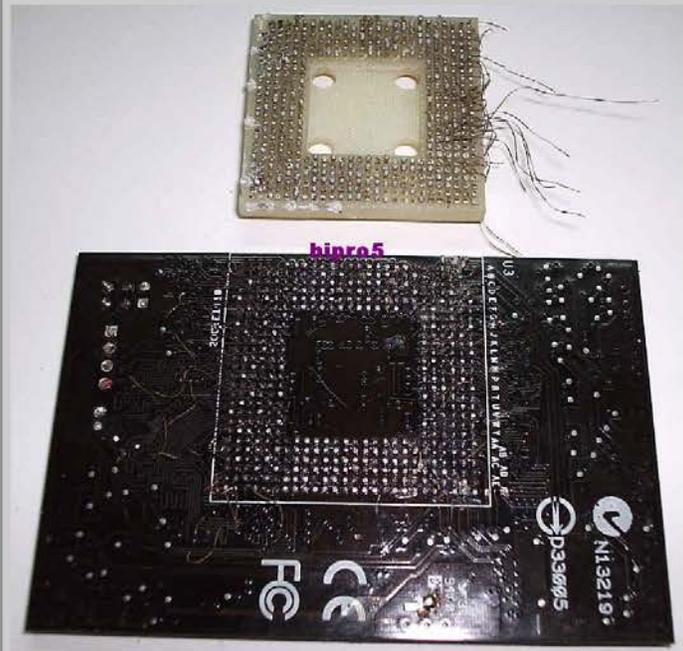
BUT I promise you that as soon as I finish my benching, I'll upload AND the "ULTIMATE Mod" of the ASUS CT-479 adapter...and even more....

BAD thing is that when playing around with the mods, I blow up one of my ASUS P4C800E-Deluxe mobo....Now I have to repair it - when I find some time to do so

Let's get started....

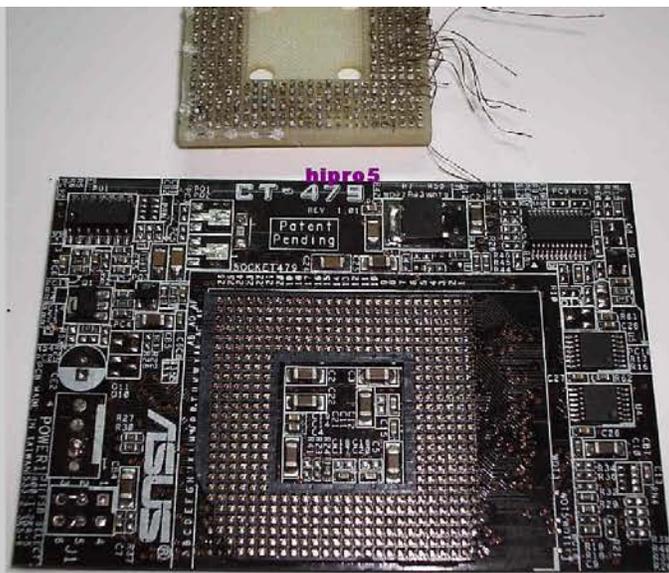
As I ALWAYS say: "FILTER EVERYTHING"....

This photo shows the adapter ripped off so as to find out where the lines underneath the socket goes....

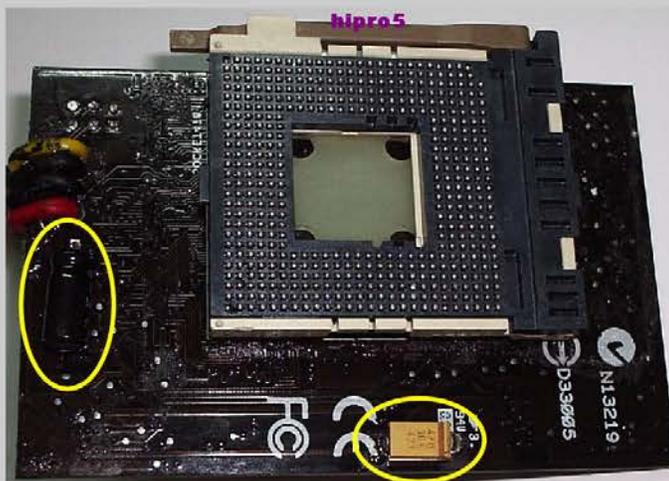


This one shows the other side of the adapter - ripped off as well....

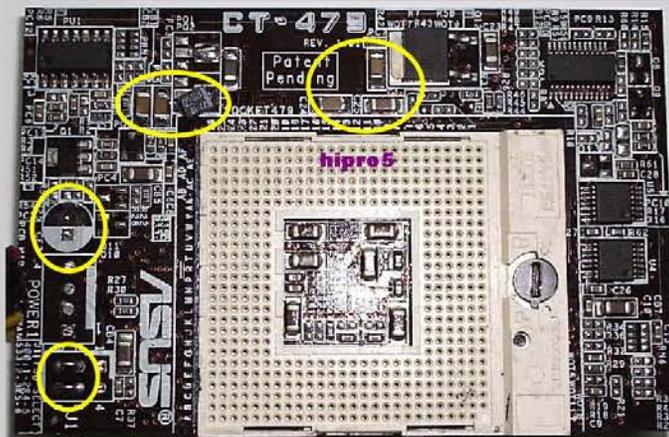




Now....Let's do some moding...😁



In the above photo you can see TWO electrolytic capacitors....One is a normal 100uF/16V and the other one is an SMD 47uF/16V tantalum - you can solder a regular one also...These two are for the "incoming" 12Volts line...



In the above photo you can see some SMD 1uF/63V ceramic capacitors - you can put 100nF/63V ceramic SMD capacitors if you don't find 1uF/63V...As you can see, there is a BLACK SMD 22uF/10V tantalum capacitor as well...This one AND the two on the left of it, are for the VCore of the DOTHAN - in simple words and not to confuse you....😁😁

The upper left circled missing electrolytic capacitor, is the one we have soldered BELOW the adapter...😁

If you have anything to ask - except for the "ULTIMATE Mod" - Please do....

Final words are:

Your DOTHAN CPU's are going to kick some "green" butts for SURE in a few days....😁😁😁😁😁😁

TO BE CONTINUED.....

Last edited by hipro5; 12-05-2005 at 06:12 PM.

INTEL PWA FOR EVER

Dr. Who my arss...😁



12-05-2005, 06:28 PM

#2

Mr. Tinker

Xtreme Addict
Join Date: Sep 2004
Location: Fantasy
Posts: 1,584

whoa. My request to you is simple, HiPro: NEVER LEAVE THE OVERCLOCKING COMMUNITY.

Last edited by Mr. Tinker; 12-05-2005 at 06:31 PM.

day under av983z, heabore under Mr. Tinker.

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12-05-2005, 06:49 PM

#3

Prozenderath

Xtreme Member
Join Date: Jul 2004
Location: Lemport PA
Posts: 208

Nice job with this, I can't wait to see the ultimate guide. As a dothan owner I can't thank you enough, when I get my p4gd1 I will definitely mod my ct-479 ☺

One of these days I will do a full set of Benches, until then....

CPUZ Verified OC
P4GD1 | Dothan 770 on CT479 adapter w/ hipro5 mods | 2gb Gakill BHV (coming soon) | BFG 7900GTX | PC Power & Cooling 510 SLI
Airtight Case and Custom Chiller

[Reply With Quote](#)

12-05-2005, 06:54 PM

#4

TYP

Xtreme Addict
Join Date: May 2005
Location: Rye, Ny
Posts: 2,318

wow, great work man, cant wait to see what this brings all and all, will be amazing as always from you ☺

[Reply With Quote](#)

12-05-2005, 07:00 PM

#5

[XC] moddolicous

XS_THE_MACHINE
Join Date: Nov 2004
Location: Long Island
Posts: 4,871

Hmm, if the japs didnt know this, is it possible that their dothan still have something left?? Maybe a 4.5ghz SPI run? BTW, hipro, cant wait for your LN2 run. Hopefully we'll see some insane results.

"Victory is always possible for the person who refuses to stop fighting"
clicks to save kids

[Reply With Quote](#)

12-05-2005, 07:06 PM

#6

hipro5

kjngg/n/Sham my brothers
Join Date: Aug 2002
Location: Athens-Hellas
Posts: 5,797

Thanks guys.... ☺☺☺

Yes I think that the Japanese guys could do about.....200 - 300MHz MORE.....☺☺

EDIT: I'm still waiting for my ASUS P4GD1 mobos..... ☹

INTEL PWA FOR EVER

Dr. Who my arss... ☹

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12-05-2005, 07:18 PM

#7

rochong

Registered User
Join Date: Nov 2005
Posts: 8

and there rOW again :-)
btw it's quite hard to find your definition of ultimate mode.

(it's about time someone look into the 479....)

[Reply With Quote](#)

12-05-2005, 07:31 PM

#8

MovieMan

V3 Xeon coming soon!
Join Date: Nov 2005
Location: New Hampshire
Posts: 33,450

reading this made my night! ☺

[Reply With Quote](#)

12-05-2005, 07:57 PM

#9

STEVil

«L»
Join Date: Nov 2002
Location: Alberta, Canada
Posts: 35,447

might try two tantalum caps in parallel where you put the one... and beefing up the traces so they can carry more current? ☺

Watching || 01:01:08: AND 111.2%

STEVil has:
273

internets

Dead_Z75-WS? Click! || XS Z75-WS Thread || Current Dead Asus Z75-WS count: 26+ (\$15,000 in dead motherboards).

All along the watchtower the watchmen watch the eternal return.

Want to use my Anti-asus logo? Go ahead, but use this link please!: <http://i853.photobucket.com/albums/a...sus/noasus.gif>

Bring back the game, <http://reclaimyourgame.com/>. EA are mean.

[Reply With Quote](#)

12-05-2005, 08:14 PM

#10

Gautam

Admin
Join Date: Dec 2003
Location: Hillsboro, OR
Posts: 5,275

Man hurry up with those benches so you can let us all know about this "ultimate mod", lol.

How much would these simple ones help, MHz-wise?

12-05-2005, 08:15 PM

#11

runmc
Admin
Join Date: Mar 2003
Location: North Texas
Posts: 5,770

You sure added alot of stuff to the adaptor. Is it possible for you to label each part you added so we know exactly what is what?
It's hard to see where you attached three of the components. Can you point an arrow to each solder point before the component is added?
You asked if we had any questions

UNDER THE ICE .com
Phase Change Cooling
is the remedy

12-05-2005, 08:20 PM

#12

Vapor
Admin
Join Date: Feb 2005
Location: Ann Arbor, MI
Posts: 13,107

And bookmarked....Hipro, you are the man.
now I just gotta get my soldering skills up to snuff

12-05-2005, 08:26 PM

#13

CrazyXP1700
Xtreme Member
Join Date: Jan 2004
Location: NB, NC
Posts: 393

looks like im gonna be moving over to a dothan
I was looking for mods for the adapter... didn't find any so far
EVERYTHING'S GOTTA BE MODDED!

IS 760 P55A-UD3
8GB Corsair
120SSD - 6TB storage
Gigabyte GTS-450
IS 2450M Acer Laptop HM65
8GB A-Data
120GB SSD - 500GB in optical drive
Intel HD GT2+ 3GB shared

12-05-2005, 09:53 PM

#14

STEvil
Join Date: Nov 2002
Location: Alberta, Canada
Posts: 20,447

Originally Posted by **Gautam**
How much would these simple ones help, MIZ-wise?

seems to be 100-300mhz if you read the posts

Reference || 01.01.08 AND 11.7%



Dead Z7S-WS? Click! || XS Z7S-WS Thread || **Current Dead Asus Z7S-WS count: 26+ (\$15,000 in dead motherboards).**
All along the watchtower the watchmen watch the eternal return.
Want to use my Anti-asus logo? Go ahead, but use this link please!: <http://i853.photobucket.com/albums/a/...sus/noasus.gif>
Bring back the game, <http://reclaimyourgame.com/>, EA are mean.

12-05-2005, 10:14 PM

#15

Zfink
Xtreme Cruncher
Join Date: Oct 2004
Location: Germany, near Stuttgart
Posts: 1,185

Sticky?!

E2160 @ 360x9, max 390x9 watercooled
GA-P35-D83
Cellslock D90MH @ 545mhz c1S-5-5-15
Paltt 7300gt 500/1000 @ 700/1600 watercooled

12-05-2005, 11:04 PM

#16

mrolber
Xtreme Addict
Join Date: Jun 2004
Location: The Baltics
Posts: 1,161

Need... to... practice... soldering... skills... ASAP

only 8 gone

12-05-2005, 11:25 PM

#17

Umsaine
Xtreme Lufftmaat
Join Date: Aug 2003
Location: Night shiftcoo...
Posts: 961

how about making a new adapter? Nice job as always...

12-06-2005, 02:59 AM

#18

hipro5
4/10gpi/Sham my brothers
Join Date: Aug 2002
Location: Athens - Hellas
Posts: 5,797

Originally Posted by **STEvil**
might try two tantalum caps in parallel where you put the one... and beefing up the traces so they can carry more current?

No need for that coz the adaptor doesn't draw that much current....

Most current(mA) is down through the Big Mos-Fet which stabilizes the Voltage at 3.3Volts sharp for the rest of the circuit to work...

Off topic.....With this new version of Vbulleting I can finally "quote" someone.....Before I just couldn't....

Originally Posted by **Gautam**
Man hurry up with those benches so you can let us all know about this "ultimate mod", lol.

How much would these simple ones help, MHz-wise?

I have gained about ~130MHz+ with the default ASUS heatsink and ~160MHz+ on phase change so far.....I think it could easily be gained ~200MHz on air if I search it a bit more.....
I bet that the DOTHANS could boot over than the 230 - 250MHz fsb which was the limit to boot till now.....I'll have to check this out so as to be sure - forgot it -

Originally Posted by runmc
You sure added alot of stuff to the adaptor. Is it possible for you to label each part you added so we know exactly what is what?
It's hard to see where you attached three of the components. Can you point an arrow to each solder point before the component is added?
You asked if we had any questions?

GeeThose are a lot of questions.....

OK..I'll do so.....

Originally Posted by CrazyXP1700
EVERYTHING'S GOTTA BE MODDED!

Yes....That's EXACTLY my opinion too.....

Only the Maximizer doesn't need any mods coz is already full moded.....

Originally Posted by Unseen
how about making a new adaptor? Nice job as always...

Thanks Chris.....

Making a new adapter even a socket 775 one, I need TWO things.....a. licence contract with ASUS which has the rights for Patent Pending and b. a motherboard company who can back me up with bios updates so as mobos to "recognise" the DOTHAN CPU's coz I'm a "hardware man" so I need a "software man" as well.....

Originally Posted by mrllobber
Need... to... practice... soldering... skills... ASAP

Yes I think you should.....

EDIT: I deleted my posts coz they where too many and I quoted all quotes and answers in one post.....That's better.....

INTEL PWA FOR EVER

Dr. Who my arss...
.....



Reply With Quote

12-06-2005, 04:31 AM

#19

skane

Xtreme Member
Join Date: Oct 2005
Location: Belgium
Posts: 252

nice hipro, do you think you could mod some more adapters and maybe sell one of them to me?? my soldering skills are pretty much zero, so i cant do it myself.

Reply With Quote

12-06-2005, 04:38 AM

#20

hipro5

Kingpin/Sham my brothers
Join Date: Aug 2002
Location: Athens-Hellas
Posts: 5,797

Originally Posted by skane
nice hipro, do you think you could mod some more adapters and maybe sell one of them to me?? my soldering skills are pretty much zero, so i cant do it myself.

There are guys all over the world that can do mods.....Where do you live?...

INTEL PWA FOR EVER

Dr. Who my arss...
.....



Reply With Quote

12-06-2005, 04:46 AM

#21

leejsmith

Xtreme Enthusiast
Join Date: Mar 2005
Location: netts uk
Posts: 512

Hipro5,
can you explain the mods on the backside of the ct-479 the picture is dark and i am not sure what to do.

edit: now i had looked at it for few more times i undertand.

why do ya have the fsb jumpers circled ?

Last edited by leejsmith; 12-06-2005 at 04:52 AM.

Asus P6T Dlx Palm , Core i7 920 , 3gb OCZ DDR3 1600 , 9600gt , cosmos 1000.

Reply With Quote

12-06-2005, 04:50 AM

#22

hipro5

Kingpin/Sham my brothers
Join Date: Aug 2002
Location: Athens-Hellas
Posts: 5,797

Originally Posted by leejsmith
Hipro5,
can you explain the mods on the backside of the ct-479 the picture is dark and i am not sure what to do.

Yes, I'll try to upload some more clearer photos....

INTEL PWA FOR EVER

Dr. Who my arss... 🤪



Reply With Quote

12-06-2005, 05:23 AM

#23

Vitality

Registered User
Join Date: Oct 2005
Location: Sää, Finland
Posts: 83

Wow that looks great! 🤪🤪🤪

Im really waiting for some more info what u exactly did. Maybe i will try that later then. That is just so GREAT STUFF! 🤪

C2D E6600 @ 3400 | P5W DH Deluxe | X1900XT | 2x1024 Corsair

Reply With Quote

12-06-2005, 05:30 AM

#24

persivore

Xtreme Vmod mod
Join Date: Aug 2004
Location: Cornwall/Newcastle
Unit, UK
Posts: 1,256

Looking great as always, Hipro. Thread stuck 🤪

Reply With Quote

12-06-2005, 05:55 AM

#25

skane

Xtreme Member
Join Date: Oct 2005
Location: Belgium
Posts: 252

Originally Posted by hipro5

There are guys all over the world that can do mods.....Where do you live?...

Im living in Belgium, so it wouldnt be that expensive to send it over. unless someone else here can/want to do that mod and lives closer...

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