## Subject: Deej, Magma IRQ assignment data?
Posted by Tom Bruhl on Tue, 25 Nov 2008 19:37:25 GMT

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Hey Deej,

Magma IRQs are a big part of the setup for me.
I know you are on top of this like a, ... well, whatever.

If it's easy enough to find can you post that here for me and others again?
I'll be using the older PCI style Magma with 5 EDS and maybe the Creamware
Pro if it likes being there.  Maybe the Creamware card will be happier
directly in the computer though?  3 PCI and 3 PCIe available.

I am inches away from implementing the largest/fastest Paris/Cubase system
I've ever dreamed about.

I'll keep everyone posted throughout the process.

Thanks,
Tom

## Subject: Re: Deej, Magma IRQ assignment data?
Posted by Tom Bruhl on Wed, 26 Nov 2008 02:27:23 GMT

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Thanks Deej,

Sounds like we have about the same box.
I have the same mobo but mine says GA-EP35-ES3P
When counting slots in the Magma are you going left to right
looking at the front of the chassis?  My power supply is in the
right rear corner.  The Magma card sits on the far left.

I should think it will work the same as yours.  I'll have
to get those long ribbons made for Paris to sit in slots
so far apart.  Magma host card can go in PCI 1 on mobo.
I'll have five cards so maybe 1 EDS can
take the other IRQ from slot 4, the other four can share
1, 5, 7, 11.  Creamware can sit in the computer on PCI
slot 2.  The UAD-2 is installed in PCIe 2 right now.

Sound good to you?

Thanks for all your info in this world.  It will save me weeks
I should think.

Happy,
Tom


"Deej" <noway@jose.net> wrote in message news:492cad3f$1@linux...
>
> "Tom Bruhl" <arpegio@comcast.net> wrote:
>>Hey Deej,
>>
>>Magma IRQs are a big part of the setup for me.
>>I know you are on top of this like a, ... well, whatever.
>>
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>>I am inches away from implementing the largest/fastest Paris/Cubase system
>>I've ever dreamed about.
>>
>>I'll keep everyone posted throughout the process.
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>>Thanks,
>>Tom
>
>
> Tom,
>
> What mobo? If you are using the the same as mine, here's my skinny.....
>
> Q9450 CPU OC'ed to 3.2GHz;
> Gigabyte GA-EP35-DS3 mobo
> PNY Quadro graphics card (Nvidia driver);
> 4G RAM
> SSL Duende PCIe
> UAD-2 Quad
> Magma x 13 PCI > PCI w/ 4 x UAD-1 cards
> Magma x 13 PCIe > PCI w/ RME Multiface, RME MADI, and RME AES 32
> Cubase 4.5x
>
> The devices/drivers are configured as follows:
>
> PCIe_1: OPEN
>
> PCIe _16_1: PNY Quadro-IRQ 16 & 17
>
> PCIe_2: Pro Tools Branded 13 slot Magma PCI chassis hosting RME Multiface,

> MADI and AES32 PCI cards in slots 1, 5 and 7, interfacing the mobo PCIe
> slot
> using a Magma PEHIFX1host card. All cards share IRQ 18
>
> PCIe_3: UAD-2-IRQ 17
>
> PCIe_16_2: Duende PCIe-IRQ 16
>
> PCI_1: Pro Tools Branded 13 slot Magma PCI chassis hosting 4 x UAD-1 cards
> in slots 1, 5, 7 and 11-All cards share IRQ 20
>
> PCI_2: OPEN
>
> If you are only using one 13 x slot Magma, you can be relatively certain
> that slots 2 and 4 will share an IRQ and it will not be she same IRQ that
> is shared by slots 1, 5, 7 and 11.
>
> The onboard LAN shares IRQ 17 with no ill effects. there are no FW devices
> on this machine and it is disabled in the BIOS.
>
> Hope this helps:
> Deej
>

---

## Subject: Re: Deej, Magma IRQ assignment data?
Posted by Deej [5] on Wed, 26 Nov 2008 02:58:23 GMT
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"Tom Bruhl" <arpegio@comcast.net> wrote:
>Hey Deej,
>
>Magma IRQs are a big part of the setup for me.
>I know you are on top of this like a, ... well, whatever.
>
>If it's easy enough to find can you post that here for me and others again?
>I'll be using the older PCI style Magma with 5 EDS and maybe the Creamware
>Pro if it likes being there.  Maybe the Creamware card will be happier
>directly in the computer though?  3 PCI and 3 PCIe available.
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>I am inches away from implementing the largest/fastest Paris/Cubase system
>I've ever dreamed about.
>
>I'll keep everyone posted throughout the process.
>
>Thanks,
>Tom

Tom,

What mobo? If you are using the the same as mine, here's my skinny.....

Q9450 CPU OC'ed to 3.2GHz;
Gigabyte GA-EP35-DS3 mobo
PNY Quadro graphics card (Nvidia driver);
4G RAM
SSL Duende PCIe
UAD-2 Quad
Magma x 13 PCI > PCI w/ 4 x UAD-1 cards
Magma x 13 PCIe > PCI w/ RME Multiface, RME MADI, and RME AES 32
Cubase 4.5x

The devices/drivers are configured as follows:

PCIe_1: OPEN

PCIe _16_1: PNY Quadro-IRQ 16 & 17

PCIe_2: Pro Tools Branded 13 slot Magma PCI chassis hosting RME Multiface, MADI and AES32 PCI cards in slots 1, 5 and 7, interfacing the mobo PCIe slot using a Magma PEHIFX1host card. All cards share IRQ 18

PCIe_3: UAD-2-IRQ 17

PCIe_16_2: Duende PCIe-IRQ 16

PCI_1: Pro Tools Branded 13 slot Magma PCI chassis hosting 4 x UAD-1 cards in slots 1, 5, 7 and 11-All cards share IRQ 20

PCI_2: OPEN

If you are only using one 13 x slot Magma, you can be relatively certain that slots 2 and 4 will share an IRQ and it will not be she same IRQ that is shared by slots 1, 5, 7 and 11.

The onboard LAN shares IRQ 17 with no ill effects. there are no FW devices on this machine and it is disabled in the BIOS.

Hope this helps:
Deej

---

Subject: Re: Deej Magma IRQ assignment data?
Posted by Tom Bruhl on Wed, 26 Nov 2008 04:30:16 GMT

Hi Deej,

I'd love to snag those EDS ribbons from you.  How many can you
spare and do you also have the clock cables?  Tell me what you
need for them and shipping.  Any long ADAT cables floating around?

My Magma cable is the flat type so 1, 4, 8 & 12 it seems for me.

If I use PCI slot 2 will that throw the Magma assignments off?

I was thinking that the PCI bus may deal more easily with the Creamware
card if it wasn't in the Magma with 5 EDS guys.  The UAD-2 sharing with
video
sounds great if it isn't a problem for you.  My video card only uses one IRQ
anyway.

Here's what I have with only the UAD-2 installed in PCIe 1x #2 with the 16x
Video card also.

PCI 1-9 = either not shown or one thing is on each
PCI 11 = Wide Open
PCI 15 = Wide Open
IRQ 16 = NVidia GeForce 8600GT
            Intel(R) ICH9 Family PCI Express Root Port 1 - 2940
            Intel(R) ICH9 Family PCI Express Root Port 5 - 2948
            Intel(R) ICH9 Family USB Universal Host Controller - 2937
            Intel(R) G33/G31/P35 Express Chipset PCI Express Root Port -

29C1

IRQ 17 = Intel(R) ICH9 Family PCI Express Root Port 2 - 2942
            Intel(R) ICH9 Family PCI Express Root Port 6 - 294A
            Realtek Gigabit Ethernet NIC
            Universal Audio UAD-2 Duo DSP card

IRQ 18 = USB Universal Host Controller
            USB Universal Host Controller
            USB Enhanced Host Controller

IRQ 19 = Sata Raid Controller
            USB Host Controller

IRQ 20 = wide open
IRQ 21 = USB Host Controller
IRQ 22 = wide open
IRQ 23 = USB Host Controller
            Enhanced USB Host Controller

Where would you start?

I'm getting all excited about IRQs.  Oh man.
Tom

"Deej" <noway@jose.net> wrote in message news:492cc438$1@linux...
>
> "Tom Bruhl" <arpegio@comcast.net> wrote:
>>Thanks Deej,
>>
>>Sounds like we have about the same box.
>>I have the same mobo but mine says GA-EP35-ES3P
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> should be close enough.
>
>
>>When counting slots in the Magma are you going left to right
>>looking at the front of the chassis?  My power supply is in the
>>right rear corner.  The Magma card sits on the far left.
>
> Same as mine.
>
>
>>
>>I should think it will work the same as yours.  I'll have
>>to get those long ribbons made for Paris to sit in slots
>>so far apart.
>
>
> I think I've got a set of the xtra long ones here that I got custom made
> from Morgan a few years ago if you need them.
>
>
>>Magma host card can go in PCI 1 on mobo.
>
> This will work but will force anything that is interfacing with PCI slot
> 2 to share with the same IRQ that PCIe_16_1 uses which is your video
> card.........may
> be a problem, maybe not. If you've got a Magma that uses the round SCSI
> style
> cable, I'd strongly recommend that you get the Magma PEHIFX1 host card.
>
>

>>I'll have five cards so maybe 1 EDS can
>>take the other IRQ from slot 4, the other four can share
>>1, 5, 7, 11.
>
> This will probably work. If your Magma has uses the flat cable I think
> your
> 4 x bus sharing slots will be 1, 4, 8 and 12. You'll just have to swap
> them
> around until you find what works if you
> 're using more than 4 cards.
>
>>Creamware can sit in the computer on PCI
>>slot 2.
>
>
> If your Magma is interfacing with the PCI slot #1, this will almost
> certainly
> force your Creamware card to share with the IRQ that your PCIe_16_1 slot
> (video card) is sharing (and may also create a scenarion wherein your CW
> card is also sharing an IRQ with the EDS card in slot #4 of your
> Magma)...at
> least that was my experience. Whether or not that will be a show stopper,
> I don't know. My Duende and my UAD-2 are sharing this IRQ with the video
> card slot with no real issues, but they are all PCIe devices. Not sure how
> it will work with PCI and PCIe sharing but I have found this mobo to be
> pretty
> forgiving using ACPI.
>
>>The UAD-2 is installed in PCIe 2 right now.
>
>>Sound good to you?
>
> That's the slot I'm using for my Magma PCIe host card so I can't say.
>>
>>Thanks for all your info in this world.  It will save me weeks
>>I should think.
>
> My # is 970-769-0488. Give me a call if you hit a snag. Maybe I can help.
>
> ;)
> Deej

## Subject: Re: Deej Magma IRQ assignment data?
Posted by Deej [5] on Wed, 26 Nov 2008 04:36:24 GMT
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"Tom Bruhl" <arpegio@comcast.net> wrote:

>Thanks Deej,
>
>Sounds like we have about the same box.
>I have the same mobo but mine says GA-EP35-ES3P


should be close enough.


>When counting slots in the Magma are you going left to right
>looking at the front of the chassis?  My power supply is in the
>right rear corner.  The Magma card sits on the far left.

Same as mine.


>
>I should think it will work the same as yours.  I'll have
>to get those long ribbons made for Paris to sit in slots
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're using more than 4 cards.

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>slot 2.


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force your Creamware card to share with the IRQ that your PCIe_16_1 slot (video card) is sharing (and may also create a scenarion wherein your CW card is also sharing an IRQ with the EDS card in slot #4 of your Magma)...at least that was my experience. Whether or not that will be a show stopper, I don't know. My Duende and my UAD-2 are sharing this IRQ with the video card slot with no real issues, but they are all PCIe devices. Not sure how it will work with PCI and PCIe sharing but I have found this mobo to be pretty forgiving using ACPI.

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;)
Deej

---

## Subject: Re: Deej Magma IRQ assignment data?
Posted by Tom Bruhl on Wed, 26 Nov 2008 06:48:38 GMT
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Hey Deej,

I'll call you over the weekend and work through some of this.
I will need about 6 x 6'+ adat cables.  I suspect at least
three long sync cables and five of the fatter ribbons.
I don't need WC though.

I'm not really worried about the PCI bus since Paris was designed
to work under those conditions.  The Creamware card should
be as isolated from the Paris IRQ trainwreck as possible.
Brian sure had his way with Paris.  I should think I'll get it to work.

I'm having no problems with 4 EDS, and a UAD-1 in a 5 slot machine now.
I lucked out.  So that's all it takes I guess!

I'm ready to do this.  Failure is not an option.

Thanks for your help,
Tom

"Deej" <noway@jose.net> wrote in message news:492ce59b$1@linux...
>
> "Tom Bruhl" <arpegio@comcast.net> wrote:
>>Hi Deej,
>>
>>I'd love to snag those EDS ribbons from you.  How many can you
>>spare and do you also have the clock cables?  Tell me what you
>>need for them and shipping.  Any long ADAT cables floating around?
>
> I've got BNC and ADAT cables out the wazoo. Way more than I'll ever use
> again.
> Let's talk by phone ofer the weekend and figure out what you need vs what
> I have here.
>
>>
>>My Magma cable is the flat type so 1, 4, 8 & 12 it seems for me.
>>
>
> OK then. You're gonna have to go PCI.
>
>
>>If I use PCI slot 2 will that throw the Magma assignments off?
>
>
> Maybe. It may not create any issues on that particular mobo though. Lots
> of available bandwidth. The question would be withether or not you will
> have
> enought bandwidth on the PCI bus itself if the CW and EDS cards are
> sharing
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>
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>
> If you're going with 5 x EDS cards, one of these will end up on a
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> have a trainwreck. I just don't know what to tell you at this point.
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>
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>>          Intel(R) ICH9 Family USB Universal Host Controller - 2937
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> -
>>29C1
>>
>>IRQ 17 = Intel(R) ICH9 Family PCI Express Root Port 2 - 2942
>>          Intel(R) ICH9 Family PCI Express Root Port 6 - 294A
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>>          Universal Audio UAD-2 Duo DSP card
>>
>>IRQ 18 = USB Universal Host Controller
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>>
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>>
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> this looks like my assignment situation.
>
>>
>>Where would you start?
>

>
> You know me better than to ask that.
> ;)
>
>>
>>I'm getting all excited about IRQs.  Oh man.
>>Tom
>
> It's going to be a trial and error situation, but I'd bet that you will
> succeed.
> That's a very forgiving mobo. Another option you have would be to buy a
> second
> (newer) Magma PCI chassis and a PCIe host card for it. If you go to EBay,
> be doubly sure to inquire as o whether or not it uses the round cable to
> connect the host cards. the older model with the flat cable won't accept
> a PCIe host interface.
>
>
> BTW....I was doing some checking and found this..........very rare to see
> one of these.
>
>  http://cgi.ebay.com/AVID-Digidesign-PCI-Expansion-chassis-ca
ble_W0QQcmdZViewItemQQ_trkparmsZ66Q3a2Q7c65Q3a3Q7c39Q3a1Q7c2
40Q3a1318QQ_trksidZp3286Q2ec0Q2em14QQhashZitem350130429927QQ
itemZ350130429927QQptZKeyboardsQ5fMIDIQQsalenotsupported
>
> Cheers,
>
> Deej
>
>
>

---

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ble_W0QQcmdZViewItemQQ_trkparmsZ66Q3a2Q7c65Q3a3Q7c39Q3a1Q7c2
40Q3a1318QQ_trksidZp3286Q2ec0Q2em14QQhashZitem350130429927QQ

itemZ350130429927QQptZKeyboardsQ5fMIDIQQsalenotsupported

Cheers,

Deej

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