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Thread ID: 1307145

Account: TI EDUCATION TECHNOLOGY

Region: TY0

Company: Texas Instruments

Thread Status (Internal only)

Waiting for Customer

Priority

Normal

Assign

s-anil@ti.com

Notify

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Responsible Organization

--[PROCESSORS] SITARA MPU

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## AM6441: GPMC configuration in SYSCONFIG



Oba

139.187.34.34

Genius 15640 points

Texas Instruments

Part Number: [AM6441](#)

Other Parts Discussed in Thread: [SYSCONFIG](#)

Hello,

My customer has a question for GPMC configuration in SYSCONFIG(mcu\_plus\_sdk\_am64x\_09\_00\_00\_35).  
Now they are facing 2 problems.

1. Only 8bit can be selected for "Device Size". They want to use 16bit or 32bit.
2. Only one CS area can be configured. They want to use several CS areas.

I found the below similar post and I understand the above case 1 will be support in the future release.  
How about case 2?

And I understand that only 8bit cab be selected from SYSCONFIG. But is it possible to select 16bit or 32bit and configure multiple CS areas through driver API call?

Regards,  
Satoshi Obata

[3 months ago](#)



[Swargam Anil](#) 139.187.34.34 [3 months ago](#)

Hello Satoshi Obata,

I am looking at your queries, and you may expect a delayed reply .

Regards,  
S.Anil

[TI\\_Mastermind](#) 18860 points



[Swargam Anil](#) 139.187.34.34 [3 months ago in reply to Swargam Anil](#)

Hello Satoshi Obata,

Can you please confirm which memory interface you are using—NAND memory or NOR memory?

Regards,  
S.Anil.

[TI\\_Mastermind](#) 18860 points



[Oba](#) 139.187.34.35 [3 months ago in reply to Swargam Anil](#)

Hello,

It's NOR type memory.

Regards,  
Oba

[TI\\_Genius](#) 15640 points



[Swargam Anil](#) 139.187.34.35 [2 months ago in reply to Oba](#)

Hello Oba,

In AM62X variants, there is a NAND interface card that is connected to AM62X SK kits. On the NAND interface cards, we currently support only 8-bit NAND devices, and the same AM62X code is integrated into AM64X devices.

**Oba said:**

*And I understand that only 8bit cab be selected from SYSCONFIG. But is it possible to select 16bit or 32bit and configure multiple CS areas through driver API call?*

Currently, we don't have API calls to change bit size and CS size.

For bit selection and CS, you need to update this below generated code and make sure that for other than 8-bit GPMC, you have to update pin settings for remaining pins as well since there is no support for selecting other than 8 bits in the system configuration.

[TI\\_Mastermind](#) 18860 points



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