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### PALIT introduces GeForce RTX 3060 Ti ColorPOP graphics card with color-shifting paint

08:03

Nov 29



### NVIDIA GeForce RTX 3090 Ti confirmed to feature Micron's 21 Gbps GDDR6X memory

19:29

Nov 27



### NVIDIA GeForce RTX 2060 12GB to feature 2176 CUDA cores, 184W TDP

09:02

Nov 27



### Intel 12th Gen Core "Alder Lake-S" non-K retail CPUs have been pictured, specs leaked



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has now provided the exact code from Micron's GDDR6X memory catalog. According to this information, a memory codenamed "MT61K512M32KPA-21U" is to be used for RTX 3090 Ti. The code appears to confirm it will be a 21 Gbps bandwidth per module.



Apart from the speed, the card is also the first product to utilize 16Gb (2GB) modules based on GDDR6X technology. NVIDIA has thus far been unable to provide this 2GB GDDR6X memory variant to any of its products because such modules simply did not exist. This led the company to use GDDR6 memory on its workstation products that require high-capacity frame buffers and as many as 24 modules on its current flagship, the RTX 3090 non-Ti.



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With the upcoming Ti model, NVIDIA will be able to limit the number of modules to 12, this should simplify the design of the card by not requiring an actively cooled backplate (the RTX 3090 has half of the modules located on the backside). However, the requirement of active back cooling may still prevail because the card will be a true power hog. According to the rumors, the RTX 3090 Ti is to have a default TDP of 450W, over 100W more than the non-Ti model.

NVIDIA RTX 3090 Ti is the first GeForce card to feature full GA102 GPU with 10752 CUDA cores. Thanks to the faster memory and 384-bit wide memory bus, the card will be able to cross 1 TB/s of bandwidth for the time in GeForce history.

The card is now expected to launch in January, following the launch of RTX 3080 12GB and RTX 3070 Ti 16GB.



**NVIDIA GeForce RTX 30 Specifications**



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Raptoreum crypto CPU mining favors large L3 caches in AMD Ryzen 9 processors

NVIDIA GeForce RTX 3050 rumored to be faster than GTX 1660 SUPER, coming Q2 2022

NVIDIA claims its latest DLSS 2.3 technology is better than "spatial upscaling"

NVIDIA GeForce RTX 3070Ti 16GB and RTX 3080 12GB to be announced mid-December, launch mid-January

Intel Core i9-12900K and Core i5-12600K review has been leaked

NVIDIA Image Scaling goes open source, NIS now available to all games

A truck full of EVGA GeForce RTX 30 graphics cards has been stolen

Intel Core i9-12900K, i7-12700K and i5-12600K last-minute Cinebench results leaked

Intel 12th Gen Core "Alder Lake-S" Review Roundup

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Name

**Ggghyytfg** • 2 hours ago

RTX 3080 12Gb, ayyyyy lmao, don't be mad 10Gb users, just upgrade....also wow 450watts hahahahaha.

Isn't the narrative before this was that since Nvidia on 12/16nm already beats Navi1, shouldn't Nvidia be miles ahead especially in performance/watt when they move to smaller node? LMAO.....

1 | • Reply • Share



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2 ^ | v • Reply • Share ›

**TheHughMan** • 4 hours ago

How about the GeForce RTX 3090 Super Ti? At \$4000+, they finally cost more than the electric bill running it year round.

^ | v • Reply • Share ›

**Stormtrooper™** • 4 hours ago

Not worth the money.

1 ^ | v • Reply • Share ›

**godrilla** • 4 hours ago • edited

2.5% More cores 8% more memory bandwidth elephant in the room what's the hash rate? Does it Sli? Most 3090s already clock at 2ghz without any effort the delta gains will be minimal if any. Did you see the article in Kazakhstan they are having power shortages due to mining? Them quarter wits have no idea!

^ | v • Reply • Share ›

**Proboscis Monkey** • 5 hours ago



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**MrBamHam** → Sasha K. Ravn • 5 hours ago

The FE isn't a blower.

^ | v • Reply • Share ›



**Sasha K. Ravn** → MrBamHam • 4 hours ago

I didn't have the FE, I had the Gigabyte Turbo Edition blower.

^ | v • Reply • Share ›



**Sasha K. Ravn** → Sasha K. Ravn • 6 hours ago

(I don't monetise my channel so don't complain about self-promotion) If you wanna see 0,5X Shading rate + RIS vs native + RIS see this, basically "discount DLSS" in Metro Exodus Enhanced, can't complain XD. (Test) Metro Exodus Enhanced Edition, Shading Rate 0,6X

... — disq.us

^ | v 1 • Reply • Share ›



**Zeeshan H** • 6 hours ago

There you go rich guys ,the 3090 is outdated .Here is our latest offering,the 3090 Tie costing just a mere 2000\$ MSRP,we don't care if it sells on MSRP or not we only want 🍀.This beast offers 4%



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4 ^ | v • Reply • Share ›



**Sasha K. Ravn** ➔ Brzydal • 6 hours ago

Correct. GA102 doesn't have an HBM Memory controller or PHYs.

1 ^ | v • Reply • Share ›



**Born in the 60's** • 7 hours ago

21 Gbps memory modules were supposed to be ready back when the 3090 released, took them this long to finalize and use them... Higher bandwidth, slightly more cores, unlocked TDP (probably configurable to 500w which is when the 3090 stops scaling completely), you can expect 10% extra performance out of this for who knows how high a price.

^ | v • Reply • Share ›



**Toaster** ➔ Born in the 60's • 7 hours ago

Compared to some of the 450W 3090s out there I'd be very surprised if this gets 5% in gaming, let alone 10.

3 ^ | v • Reply • Share ›





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This gpu opens path for even higher pricing.

3090 TI is probably \$1800.

Also, opens path for 4090 TI.

This is what I am hearing-

- 1) Titan RTX Lovelace 48GB- \$3000
- 2) RTX 4090 TI 24GB/32GB- \$1800+
- 3) RTX 4090 24GB - \$1500

Kopite also pointed the existence of 4090 TI and Lovelace Tltan.

1 ^ | v 1 • Reply • Share ›



**rdkmy3002** → Uncle • 7 hours ago

Kopite also pointed the existence of 4090 TI and Lovelace Tltan.

Where did you get his Twitter source, ah?

1 ^ | v • Reply • Share ›

Uncle → rdkmy3002 • 4 hours ago



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I do not think there will be an RTX TITAN unless they have some new type of GDDR memory to go with it that we are not aware of, or they will be on a new Samsung node.

^ | v • Reply • Share ›



**lilkwarrrior** → coca yven • 3 hours ago • edited

That would be interesting the concept of a "Titan A"; that would help minimize cognitive noise if they do come out with a Titan and where that leaves the x90 compared to it. It still has potential to be confusing without some sort of very high-end memory attached to it that's obviously exclusively pro-oriented.

^ | v • Reply • Share ›



**K08E** • 8 hours ago

Waste of time and money for 1% more performance.

3 ^ | v 2 • Reply • Share ›



**husni** • 9 hours ago

And the price is.....

.



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understand the need for the 3090 Ti when it's really not going to result in any meaningful performance upgrade over 3090.

^ | v • Reply • Share ›



**lilkwarrrior** → NDrake • 8 hours ago

Meaningful performance is subjective, and you're assuming the primary audience includes existing 3090 owners.

1 ^ | v 2 • Reply • Share ›



**Sasha K. Ravn** → lilkwarrrior • 6 hours ago

Better 'value' to buy a 3090 for 1500 than a 3090 Ti for 2000 :^)

Let's face it, not going to be cheap.

^ | v • Reply • Share ›



**lilkwarrrior** → Sasha K. Ravn • 3 hours ago

Yeah, it won't be cheap for the average person + the inflated price it has to have for Nvidia/AIB partners to get decent ROI considering how they're pricing or intending to price low-end 3000 RTX cards.



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users further debanking your point) and GeForce gaming drivers was a small  
\*subset\* of driver optimizations exclusive to Quadros.

An overwhelmingly majority of those programs Titan had optimizations for were associated with CAD; last time I checked, CAD professionals don't make up majority of pros nor productive GPU owners.

The 3090 is most definitely a card for productive GPU owners with or without the Geforce Studio drivers. Nvidia again literally lists the pros the card is for and all kinds of productive uses for the card pure gamers never need a card to be optimized for. It literally fulfills the exact needs various productive GPU users such as creators, deep-learning professionals, and so on wanted over the previous Titan-class GPUs.

Finally, GPUs don't revolve around your particular use cases; your anecdotal experience doesn't speak for or represent most productive GPU owners. The strategy around RTX cards is for Nvidia's entire line-up being great for productive GPU users more than ever before that is still advantageous for productive GPU users over AMD's mainstream (non-Radeon-pro) offerings.

The independent, third-party review consensus is that the 3090 is a great card



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