

LATEST [Software - Google improves blocking technology of malicious files in Chrome](#) | [Hardware - LG introduces the Google TV](#) | [Hardware - Are you ready for 5G WiFi?](#) | [Internet - Insync: Dropbox](#)

RSS +PCSMAX Follow us Become a fan

Home Hardware Software Internet Gadget Business

Search latest tech news on PCSMAX.com

YOU ARE HERE: [HOME](#) [BUSINESS](#) BARCELONA WANTS TO CREATE A SUPERCOMPUTER BASED ON ARM

JANUARY 19, 2012 6:43 AM

# BARCELONA WANTS TO CREATE A SUPERCOMPUTER BASED ON ARM

Posted by Yudhi Armyndharis on November 16, 2011

0

submit  
reddit

Share

0

Like

Send

0

Tweet

0

email  
print  
Digg Digg

**The Barcelona Supercomputing Center has presented the Mont-Blanc Project to create a very efficient supercomputer using GPU and CPU based on ARM designs and manufactured by Nvidia.**



The [Barcelona Supercomputing Center](#) will use a combination of CPUs and [Nvidia](#) graphics technology for hybrid supercomputer that researchers hope will offer a huge performance using between 15% and 30% less energy than traditional architectures.

The supercomputer named [Mont-Blanc](#), will use the Tegra 3 quad-core [Nvidia](#), based on an [ARM](#) design, as well as [Nvidia](#) CUDA graphic units, to get between two to five times better energy

efficiency.

Advertisement

[Premium HPC Intel Servers](#)  
Intel Xeon 5600 Processor High Performance Computing Servers  
[www.PenguinComputing.com](http://www.PenguinComputing.com)

[TI's MSP430 16-Bit MCUs](#)  
Ultra-Low Power RISC Mixed-Signal Microprocessors for Portable Apps.  
[www.ti.com/msp430](http://www.ti.com/msp430)

[Outlet De Electrónica](#)  
Consigue Lo Último En Tecnología Ahorrando Hasta Un 70%. Regístrate!  
[LetsBonus.com](http://LetsBonus.com)

AdChoices

The system, announced yesterday, will be shown during the SC11 conference, held between November 14 and 17.

Through the Mont-Blanc Project, the Barcelona Supercomputing Center researchers will develop high-performance architectures and exascale level applications can take advantage – offered by the energy efficiency technologies of mobile chips.

The Mont-Blanc Project, which also involves supercomputing centers in Germany, France and Italy, will use European OEM systems and Gnodal interconnect technology.

The project is the latest example of the efforts of [ARM](#) and its partners to bring technology to low-power mobile chip beyond its natural market, which are smartphones and tablets. HP recently announced its own

0

Advertisement



POPULAR LATEST COMMENTS

Amazon Kindle Fire: The Pros and Cons  
11 COMMENTS

iPhone 4S: The Pros and Cons  
11 COMMENTS

Samsung Slate PC 700T: The best Windows Tablet  
10 COMMENTS

Galaxy Nexus: The Pros and Cons  
10 COMMENTS

Bulldozers vs Sandy Bridge E  
7 COMMENTS

Tags

adobe amazon amd android  
apple arm asus blackberry  
browser bulldozer chrome facebook  
flash game google  
graphics card hp htc intel ios ipad  
iphone iphone 4s market  
microsoft mobile os motorola  
nokia nvidia operating system  
patent patent war processor rim  
samsung security  
social network sony ssd tablet  
twitter windows windows 8  
windows phone yahoo

initiative, [Project Moonshot](#), to develop low-power server chips based on Calxeda, which also uses ARM designs.

**Filed in:** [Business](#) **Tags:** [arm](#), [barcelona supercomputing center](#), [mont-blanc project](#), [nvidia](#), [supercomputer](#)

**About Yudhi Armyndharis**  
 Yudhi Armyndharis has written 199 post in PCSMAX.com.  
 Yudhi Armyndharis is a senior editor at PCSMAX. He is also webmaster of some sites, freelance journalist and broadcaster.  
[View all posts by Yudhi Armyndharis](#) → [Blog](#) [Twitter](#) [Facebook](#)

 **pcsmax** en Facebook  
 Me gusta

A 1,747 personas les gusta **pcsmax**.



Stefan Bree Kayla Torben  
 Gail Eduardo Анатолий Nithya

Plug-in social de Facebook

**Related Posts**

- [Intel's Medfield will undermine the ARM position in the smartphone market](#)
- [AMD's Radeon HD 7770 featured](#)
- [ARM Cortex-A7 for under 100 dollars smartphones](#)
- [ARM Cortex-A9 in 28 and 20 nm](#)
- [N580GTX Twin Frozr III 15D5 Power Edition: GeForce GTX 580 overclocked from MSI](#)

**Sponsored Link**

**Ads by Google**  
[Arm Supercomputer](#)  
[Arm Cortex 3](#)

Leave a Reply

Name (Required)

Mail (will not be published) (Required)

Website

**Submit Comment**

By commenting you agree with our [Comment Policy](#).

- Notify me of follow-up comments by email.
- Notify me of new posts by email.

**Recent Posts**

- [Google improves blocking technology of malicious files in Chrome](#)
- [LG introduces the Google TV](#)
- [Are you ready for 5G WiFi?](#)
- [Insync: Dropbox-alternative with free Web store](#)
- [Logitech wants to reinvent the mouse with its Cube](#)

**Categories**

- [Business](#)
- [Gadget](#)
- [Hardware](#)
- [Internet](#)
- [Software](#)

**Archives**

- [January 2012](#)
- [December 2011](#)
- [November 2011](#)
- [October 2011](#)
- [September 2011](#)
- [August 2011](#)

**Calendar**

**January 2012**

M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
« Dec						

