

Texas Instruments OMAP 5 dual core contro Tegra 3



LINK (<https://www.nexthardware.com/news/pocketpc-smartphone/4389/texas-instruments-omap-5-dual-core-contro-tegra-3.htm>)

TI mostra in un video una comparativa tra il suo nuovo SoC ed il quad-core Nvidia.

Un altro assaggio di quello che i produttori saranno in grado di mostrare al MWC 2012 viene ora da Texas Instruments che rende disponibile in un video una comparativa tra il nuovo OMAP 5 e Tegra 3.

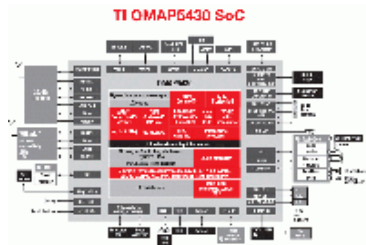


Il video mostra due tablet basati su Android 4.0 sui quali gira il medesimo benchmark web: i risultati che si vedono sono eccezionali (*anche se, sinceramente, per falsare quel banchmark basta farlo girare una volta per avere in cache gran parte dei dati*).

Ci sono due varianti del SoC OMAP 5, entrambe realizzate con processo costruttivo a 28 nanometri.

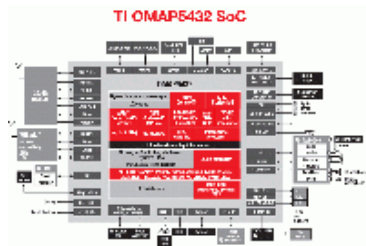
L'OMAP5430 è pensato per gli smartphone che necessitano in primis di dimensioni ridotte, mentre il modello OMAP5432 è realizzato per prodotti consumer per computazione mobile, quando il costo basso è più importante delle dimensioni ridotte.

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- Designed to drive Smartphones, Tablets and other multimedia-rich mobile devices
- Multi-core ARM® Cortex™ processors
 - Two ARM Cortex-A15 MPCore processors capable of speeds up to 2 GHz each
 - Two ARM Cortex-M4 processors for low-power offload and real-time responsiveness
- Multi-core POWERVR™ SGX544-MPx graphics accelerators drive 3D gaming and 3D user interfaces
- Dedicated TI 2D BitBlit graphics accelerator
- IVA-HD hardware accelerators enable full HD 1080p60, multi-standard video encode/decode as well as 1080p30 stereoscopic 3D (S3D)
- Faster, higher-quality image and video capture with up to 24 megapixels (or 12 megapixels S3D) imaging and 1080p60 (or 1080p30S3D) video
- Supports four cameras and four displays simultaneously↔
- Packaging and memory: 14mm x 14mm, 0.4mm pitch PoP dual-channel LPDDR2 memory



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- IVA-HD hardware accelerators enable full HD 1080p60, multi-standard video encode/decode as well as 1080p30 stereoscopic 3D (S3D)
- Faster, higher-quality image and video capture with up to 20-megapixel (or 12-megapixel S3D) imaging and 1080p60 (or 1080p30S3D) video
- Supports three cameras and up to four displays simultaneously
- Packaging and memory 17mm x 17mm, 0.5mm pitch BGA dual-channel DDR3/DDR3L memory

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[TexasInstruments (<http://www.ti.com/general/docs/wtbu/wtbuproducontent.tsp?templated=6123&navigationId=12862&contentId=101230#omap4x>), via AndroidCommunity (<http://androidcommunity.com/ti-omap-5-dual-core-video-shows-off-performance-vs-quad-core-20120223/>)]

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