PRODUCT OVERVIEW

The Marvell® ARMADA® PXA1088LTE Pro is an advanced, highly integrated quad-core application and communications mobile System-on-Chip (SoC) that provides high-performance, low-power mobile computing for media-centric mobile devices; support for all global broadband standards, enabling seamless global roaming; and the latest wireless connectivity technology. Marvell's PXA1088LTE Pro platform solution incorporates the performance of quad-core ARM® Cortex-A7 running at 1.5GHz with Marvell's mature and field-proven 5-mode modem technology to provide a low cost Linux and Android® mobile platform. Marvell's PXA1088LTE Pro platform supports 2G/3G/4G communications, including Long Term Evolution (LTE), High Speed Packet Access Plus (HSPA+), Time Division High Speed Packet Access Plus (TD-HSPA+), and Enhanced Data for GSM Environment (EDGE), and enables a breakthrough end-user experience for multimedia and gaming applications with universal connectivity.

Marvell's complete mobile platform solution features the Avastar® 88W8777 WLAN + Bluetooth 4.0 + FM single-chip SoC and the 88L2000 GNSS hybrid location processor, and an integrated power management and audio codec IC.

FEATURES AND BENEFITS

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<th>SPECIAL FEATURES</th>
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| 5-Mode Cellular Modem Solution | Marvell ARMADA PXA1088LTE Pro high-performance platform features:  
- LTE TDD/FDD Cat 4 (150Mbps DL), Release 9  
- WCDMA HSPA+ (21Mbps DL), Release 7  
- TD-SCDMA HSPA+ (4.2Mbps DL), Release 8  
- Class 12 EDGE support  
- Fully integrated cellular platform solution with extensive carriers and vendors Interoperability tests  
- DigRF 4G interface  
- DigRF 3G interface |
| Dedicated Modem and Application Processor Subsystems  
- Multi-core, Shared memory hardware architecture  
- Shared external memory interface | Enables reuse of a common application processor software stack across multiple air interfaces and cellular networks  
- Prevents unwanted performance interactions/dependencies between AP and modem subsystems  
- Protects cellular network from application processor security threats  
- High-performance internal memory architecture enables sharing of external memory without the cost and space burden for independent Flash and DDR  
- High-performance, efficient inter-processor communication interface between AP and modem, using shared external DDR |
| Quad-core ARM Cortex A7MP Application Processor Subsystem | A high-performance quad-core ARM Cortex A7 for low-power applications, with high-performance for browsing and Java™ applets  
- NEON™ engine for broad support of media codecs  
- High-performance memory support for LPDDR2-SDRAM, DDR3/L, NAND and eMMC; secure boot from NAND and eMMC  
- Support mobile security features, including secure boot, root key protection and Widevine® Level 1 support |
THE MARVELL ADVANTAGE:
Marvell chipsets come with complete reference designs which include board layout designs, software, manufacturing diagnostic tools, documentation, and other items to assist customers with product evaluation and production. Marvell’s worldwide field application engineers collaborate closely with end customers to develop and deliver new leading-edge products for quick time-to-market. Marvell utilizes world-leading semiconductor foundry and packaging services to reliably deliver high-volume and low-cost total solutions.

ABOUT MARVELL:
Marvell (NASDAQ: MRVL) is a global leader in providing complete silicon solutions enabling the digital connected lifestyle. From mobile communications to storage, cloud infrastructure, digital entertainment and in-home content delivery, Marvell’s diverse product portfolio aligns complete platform designs with industry-leading performance, security, reliability and efficiency. At the core of the world’s most powerful consumer, network and enterprise systems, Marvell empowers partners and their customers to always stand at the forefront of innovation, performance and mass appeal. By providing people around the world with mobility and ease of access to services adding value to their social, private and work lives, Marvell is committed to enhancing the human experience. As used herein, the term “Marvell” refers to Marvell Technology Group Ltd. and its subsidiaries.

CONTACT US:
For additional information, please visit our website at www.marvell.com for a Marvell sales office or representative in your area.

Marvell ARMADA PXA1088LTE Pro SoC (not actual size)