

Marvell's ARMADA Mobile World Modem Certified To Operate On AT&T's 4G LTE And 3G Networks

The high performance ARMADA Mobile PXA 1801 World Modem achieved the AT&T certification supporting Category 4 data rates of 150 Megabits-per-second

SANTA CLARA, Calif., Sept. 30, 2013 /PRNewswire/ -- Marvell (Nasdaq: MRVL) today announced that its ARMADA® Mobile world modem has been certified to operate on AT&T's 4G LTE and 3G data networks. The high performance ARMADA Mobile PXA1801 world modem achieved AT&T certification for 4G LTE and 3G supports Category 4 data rates of 150 Megabits-per-second (Mbps) downlink throughput.

(Logo: https://investor.marvell.com/image/Marvell_logo.jpg)

"I am extremely pleased that our innovative ARMADA Mobile PXA1801 is certified by AT&T, one of America's top carriers, for 4G LTE and 3G data communication. This is a very significant milestone for Marvell and our global leadership in delivery of the ARMADA Mobile 4G LTE solution for China Mobile, and now for AT&T," said Weili Dai, President and Co-founder of Marvell. "Our mission is to drive affordable, high-performance and high-quality 4G LTE solutions for global manufacturers and end users. With the AT&T certified ARMADA Mobile PXA1801, our customers are assured that their new mobile devices featuring Marvell's processors will meet AT&T's requirements for distribution and activation on its network. This highlights our company's continued commitment to making the world a better place through affordable and high-performance solutions to better people's lives."

With the unified ARMADA Mobile platforms, Marvell leads the development of LTE technology with the introduction of [the industry's first mass market quad-core 5-mode Category 4 LTE single-chip solution supporting LTE TDD and FDD, High Speed Packet Access Plus \(HSPA+\), Time Division High Speed Packet Access Plus \(TD-HSPA+\) and Enhanced Data for GSM Environment \(EDGE\)](#). In partnership with China Mobile and ZTE, [Marvell also completed the world's first end-to-end voice-over TD-LTE \(VoTD-LTE\) call in June](#). The AT&T certification is the latest milestone in Marvell's leadership in worldwide deployment of the LTE technology. The ARMADA Mobile PXA1801 supports Category 4 data rates, which can achieve up to 150 megabits-per-second (Mbps) downlink throughput, and features a low-power (LP) technology. The modem's flexible and efficient architecture allows fast implementation on the latest LTE, Wideband Code Division Multiple Access (WB-CDMA), and it is backward compatible with previous generations of WB-CDMA and Enhanced Data rates for GSM Evolution (EDGE).

Key features of the Marvell ARMADA Mobile PXA1801 include:

- Supports Release 9 LTE FDD/ TDD with MIMO, R8 WB-CDMA, and EDGE/GSM
- Fully integrated platform solution validated via extensive IOT, PTCRB, GCF field testing and carrier certification
- Multi-band LTE, Multi-band WB-CDMA, Quad-band EDGE/GSM and DigRF3G/4 support
- Supports multi-radio platform capability, 3G/WLAN/BT coexistence enables support for IMS, VoIP and other advanced carrier devices
- ARM and DSP cores including Marvell-designed ARM 9 auxiliary core with packet processing accelerators
- L1 Instruction and Data Cache
- L2 Cache
- ITCM and DTCM

Related Links:

- [Marvell PXA1801 Product Overview](#)

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.

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