

Paragon Software equips ATHENA-R2 router with wireless file sharing



Paragon File System Link technology expands file sharing and storage capabilities for Amped Wireless's household Wi-Fi Router



COMPANY

Amped Wireless is a leading producer of high power, long-range Wi-Fi routers and Wi-Fi range extenders. The company serves consumers and business customers since 2008.



CHALLENGE

Provide high-performance read-write access to external storage devices from the Linux-based ATHENA-R2 router for seamless file sharing throughout the network.



RESULTS

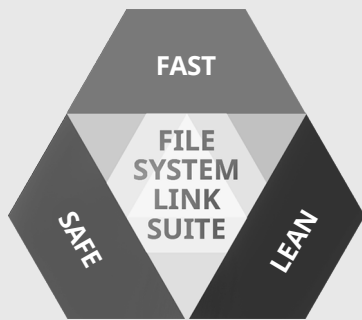
- 1 Rapid transparent access to NTFS and FAT32 volumes from the Linux-based router
- 2 Support for the latest Linux Kernels and distributions
- 3 Unlimited file and volume size
- 4 Support for iSCSI and SSD storage

THE CHALLENGE



The ATHENA-R2 is the ultimate Amped Wireless router for the multi-device household. Built with a 1.4GHz Qualcomm® Dual-Core Processor, 16 high power amplifiers, and 4 high gain antennas, the device provides unprecedented coverage, speed, and reliability for the most demanding networks with many connected devices. The ATHENA-R2 also features the cutting-edge MU-MIMO technology that enables multiple devices to receive data at once, granting uninterrupted streaming for all. It includes two USB ports, one USB 3.0 and one USB 2.0.

The company was looking for a solution to convert home or SoHo users' facilities into a multimedia storage center by attaching a USB storage device to the Wi-Fi router. Users would save multimedia files on the network and stream the files seamlessly within their home or office. Importantly, Amped Wireless required an easy-to-implement and cost-effective solution that wouldn't hinder the product time-to-market.



TECHNICAL REQUIREMENTS

- Full read-write access to Windows and FAT32 storage devices attached to the router
- Technology customization to a particular product
- High-speed data transfer
- Expert integration support

THE SOLUTION



The Paragon File System Link (FSL) technology utilizes a set of file system drivers for the popular OS.

NTFS for Linux and FAT32 for Linux by Paragon Software were the drivers embedded into the ATHENA-R2 Linux-based firmware.

This integration unlocked network-wide access to external drives attached to the ATHENA-R2 Router – regardless of the device OS.

Removable NTFS and FAT32 storage attached to the Amped Wireless router via USB 2.0 and USB 3.0 became available to all Wi-Fi network users. As a result, the users could download and share files, stream multimedia content to and from the attached drives.

Amped Wireless provided higher levels of convenience, collaboration, and customer satisfaction for the end users.

“Our new ATHENA-R2 Router was engineered with the multi-user household in mind, and it’s specifically designed to handle multiple connected devices at once. In addition to providing unmatched Wi-Fi coverage to virtually eliminate all dead spots, it delivers Wi-Fi to multiple devices at the same time so that everyone can browse, game, stream and enjoy the Internet without delay or interruption. We are excited to align with Paragon on such a groundbreaking product and make use of their technology to expand the range of capabilities that we can deliver to our customers.”

Lacey Limbrick, Brand and Marketing Manager, Amped Wireless

For more information on Paragon FSL, please visit our [website](https://www.paragon-software.com).