Wi-Fi Direct: It's All About the Software

Description: Wi-Fi Direct is a software layer that sits on top of Wi-Fi silicon. It makes Wi-Fi a much more formidable offering because it adds peer-to-peer capability to Wi-Fi's networking capability. Two Wi-Fi Direct devices can transmit data, images, and video without the need for a Wi-Fi access point. Because Wi-Fi Direct is a software layer, the cost of adding Wi-Fi Direct to the silicon solution is minimal.

Wi-Fi Direct is currently hitting the market in mobile PCs and mobile phones. Digital televisions will also be a popular application for the specification, as it will allow mobile devices from PCs to portable media players and smartphones to display video and images on a big screen. The development of application programming interfaces (APIs) will be very important to the success of Wi-Fi Direct, since it will ultimately make Wi-Fi Direct usable.

The report includes annual penetration forecasts through 2015 for Wi-Fi Direct in 20 separate applications within PCs, PC peripherals, CE devices, and mobile phones. Brief profiles of major companies involved in Wi-Fi Direct are also provided.

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