**PRODUCT OVERVIEW**

The Marvell® 88PA100 mPrint Module instantly adds mobile print capabilities to your printers. Built upon the Marvell 88PA5110 Imaging and Marvell Avastar® 88W8782 Wi-Fi System on Chips (SOCs), the mPrint Module enables direct wireless and cloud printing from most iPad, iPhone and Android phones and tablets to a wide range of popular USB-connected printers. Sporting a wireless Micro Access Point and the capability to simultaneously connect to an existing wireless network, it is easy for up to eight users to connect and print. Setup is easy too. With built-in Near-Field Communications (NFC) and Wireless Protected Setup (WPS), automatic configuration is just a “tap” away. The mPrint Module supports printing from Apple® phones and tablets, Google® Cloud Print, and Mopria®. Virtually any printer can be connected to the mPrint Module. Fully auto-upgradable, additional printers, new features and new mobile print protocols can be dynamically added in the field. The mPrint Module is available from Marvell and its partners as a as a near final reference design ready for customer branding.

**REFERENCE SOLUTION**

![Fig 1. Marvell mPrint Module 88PA100](image)

<table>
<thead>
<tr>
<th>SPECIAL FEATURES</th>
<th>BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support for Apple AirPrint</td>
<td>• Simple to use print capability from Apple iPhone and iPad devices.</td>
</tr>
<tr>
<td>Support for a range of Android devices</td>
<td>• Turns legacy printers into Airprint compatible devices.</td>
</tr>
<tr>
<td>Dynamic field upgrades</td>
<td>• Android support for the mPrint Module is a snap whether using Google Cloud Print or the Mopria print drivers</td>
</tr>
<tr>
<td>Power Wi-Fi solutions</td>
<td>• Flexible architecture allows new printers and protocols to be supported in the field.</td>
</tr>
<tr>
<td>Marvell Print Mirror technology</td>
<td>• The Marvell 88W8782 Wi-Fi solution supports simultaneous connections to both mobile users over an 802.11bgm micro Access Point and to an existing wireless network.</td>
</tr>
</tbody>
</table>

- **Wi-Fi light**
- **Module status light**
- **NFC**
- **USB printer port**
- **USB host port**
- **Optional power supply**
- **WPS and reset button**
APPLICATIONS

The mPrint Module Mobile Print Accessory delivers a breakthrough value proposition for the mobile enablement of hundreds of millions of existing printers. It enables new bundling opportunities in the print industry to drive consumables sales including creating opportunities for bundles/accessory sales in smartphone, communications and networking markets.

The mPrint Module is developed as a near-final reference product which may be rapidly branded and taken to market via Marvell partners. Marvell has taken care of nearly everything you need to build your product from industrial design, through firmware and hardware and basic certifications. Evaluation units are available directly from Marvell.

BLOCK DIAGRAM

![Marvell mPrint Module 88PA100 Block Diagram](image)

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 and Kinoma® software enabling the “Smart Life and Smart Lifestyle.” From mobile communications to storage, Internet of Things (IoT), 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.

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