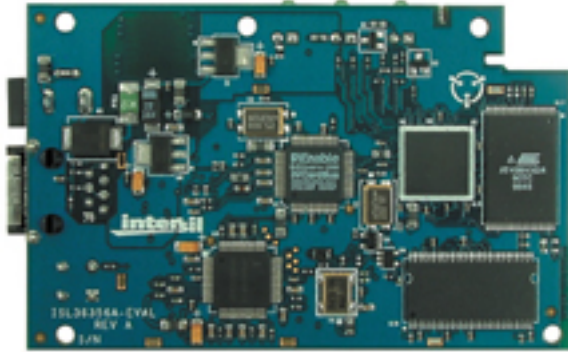


Access Point-on-a-Chip Reference Design for Wireless Networking



Intersil announced it has developed a complete access point-on-a-chip reference design for wireless networking that combines an ARM9[®]-based Medium Access Controller (MAC) with a uClinux operating system. The design of the PRISM[®] ISL36356A represents a highly integrated access point (AP) reference design available for wireless applications in the home, small office, enterprise and public areas such as hotels and airports.

Intersil has created an AP Developer's Kit that contains all the necessary components that allow original equipment manufacturers (OEMs) to rapidly bring a customized product to market. The kit includes reference design (pre-tested to help ensure Wi-Fi and regulatory approvals) and open Source operating system that interfaces to the MAC core. Customization instructions for adding additional features, Configuration software (allows easy access and setup of the AP from client PC), end-user documentation, and manufacturing test tools are also included. The open source uClinux platform provides basic building blocks that extend AP functionality and enables OEMs to quickly develop customized feature sets by providing royalty-free access to hundreds of open source user applications. Manufacturers can easily develop a layered security system using uClinux and IEEE 802.11b security features.

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