

Press Release

May 17, 2013

ASIX Launches USB to Ethernet Controller with Microsoft AOAC Support

ASIX Electronics Corp., a leading fabless semiconductor company for embedded networking/bridging solutions, announced today the AX88772C, a USB 2.0 to 10/100M Ethernet controller with Microsoft AOAC(Always On Always Connected) support. The AX88772C is the latest addition to ASIX's USB-to-LAN product portfolio, providing a small form factor solution and plug-and-play usability, enabling embedded system designers to deliver Ethernet connectivity while leveraging the proliferation of USB 2.0 technology.

The AX88772C can be used in any embedded system with a USB host microcontroller requiring a twisted pair physical network connection. Featuring a USB interface (compliant with USB specification V2.0 and V1.1) to communicate with a USB Host Controller, the AX88772C also integrates on-chip Ethernet MAC and PHY (IEEE802.3 and IEEE802.3u compatible) and embedded memory. Additionally, the AX88772C needs only a single 25MHz crystal to drive both the USB and Ethernet PHYs.

The AX88772C offers a wide array of features including IPv4/IPv6 checksum offload engine, Protocol Offload(ARP & NS), HP Auto-MDIX, and IEEE 802.3x and back-pressure flow control. The AX88772C also offers multiple power management Wake-on-LAN features, including Magic Packet, Microsoft Wakeup Frame, Link Status Change, 32 Microsoft Wakeup Patterns and Wakeup Packet Indication that allows the AOAC platform to enter a low-power "Connected Standby" state and wake on a desired network pattern.

To help customers evaluate and develop applications with the AX88772C, ASIX provides comprehensive technical support including hardware and software application notes, user guides, schematics, and PCB layout guides. Additionally, the AX88772C is supported by a wide range of drivers for the most recent versions of Windows, Mac, Linux and WinCE operating systems.

The AX88772C is a high performance and highly integrated ASIC which enables a low cost, small form factor, and simple plug-and-play Fast Ethernet network connection capability for desktops, notebook PCs, Ultrabooks, cradles/port replicators/docking stations, game consoles, digital-home appliances, and any embedded system using a standard USB port.

Available in a small form factor 64-pin LQFP package, the AX88772C is lead-free, RoHS compliant, and supports commercial (0°C to 70°C) temperature range. Samples are available now with mass production beginning at the end of Q2/2013. For more information on the AX88772C, please contact ASIX Electronics Corp. via NAC at e-mail: sales@nacsemi.com or visit our website: www.nacsemi.com.

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