

NET 2272 Key Features

- ◆ Hi-Speed USB 2.0 Peripheral Port
- ◆ Firmware available for Media Transfer Protocol (MTP) and Mass Storage
- ◆ Software driver support for WinCE and Linux
- ◆ Fully backwards compatible to Full-Speed USB connections
- ◆ Sustained throughput up to 40MBytes/sec*
- ◆ Lowest active power requirements (186mW)
- ◆ Lowest standby power (8.1µW)
- ◆ Variable I/O voltage (1.8V to 5.0V)
- ◆ 6x6mm, 64 ball, Lead-Free BGA Package

Application:

Portable Car Navigation System

PLX Product:

NET 2272 - USB 2.0 Hi-Speed Peripheral Controller

Key Benefit:

Fast Transfer of Map and Media Content

Media-filled Car Navigation Systems

Portable Car Navigation Systems (CNS) today not only help you find the way to your destination, they provide entertainment for your travels. CNS are now equipped with high capacity hard drives to store large libraries of maps, music, photos, and video content. CNS are not just helpful navigators, but they serve as your portable MP3, photo, and video players.



With the addition of these large libraries of media content, CNS utilize the performance of Hi-Speed USB 2.0 to quickly transfer all the media content from your PC.

Performance and Saving Power

The NET 2272 is the fastest and lowest powered USB 2.0 peripheral controller of its kind. With high sustained throughput, it can transfer large amounts of maps, points-of-interest data, and media files from your PC in a matter of minutes. NET 2272's low power consumption (186mW active, 8.1µW standby), and flexible I/O voltage (1.8 to 5.0V) helps the CNS save power when used for portable media away from the car charger. Its small 6x6mm footprint is a perfect fit for the limited real estate on the CNS.



* See PLX website for NET 2272 performance report

Car Media Center

In response to the recent launch of Microsoft's Home Media Center, the next generation of CNS may be the beginning of the Car Media Center.

The latest car stereos have USB Host ports to connect USB flash drives to play MP3 or WMA files. CNS equipped with USB 2.0 can do the same. With 20GB of music, photos, and video, the CNS can expand beyond just playing music. It can play movies, provide gaming for the kids in the backseat, or play a slideshow of travel pictures on the ride home from your vacation.

All media transfers from the CNS to your car stereo can be done with the NET 2272.



CNS plugged into USB Host port of Car Stereo

Digital Rights Management

The NET 2272 supports Microsoft's Media Transfer Protocol (MTP) for transfer of protected WMA and WMV files. Microsoft's Playsforsure certification requires this MTP support. The NET 2272 has been designed into a myriad of MTP devices, most notably Microsoft's Portable Media Center. It is also featured in the Creative PMC and the Samsung YH-999 PMC. The NET 2272's MTP support is a key feature that will allow the use of protected media content on the latest CNS.

Additional PLX Advantages

- ◆ Superior USB 2.0 expertise and support
- ◆ Complete firmware library for many standard USB device classes (MTP, Mass Storage, etc.)
- ◆ Wide Range of Application Notes
- ◆ Schematic and Layout Design Reviews
- ◆ USB 2.0 Compliance Testing
- ◆ PCI-based Development Systems

Design Tools & Documentation:

NET 2272:

<http://www.plxtech.com/products/NET2000/NET2272/default.asp>

USB Software:

<http://www.plxtech.com/products/NET2000/software/default.asp>

Available on PLX website:

- ◆ Data Book, Application Notes, Performance Reports, Migration Guide, Design Guidelines, Video Demos, and more.

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2272-SIL-EA-1.0