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## Application Note

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### FlashPoint ShareDrives Compatible with USB Devices Which Made With A Hard Disk Drive – PDA/Smartphone Compatibility – Application Note 325

*XMULTIPLE Technologies- FlashPoint ShareDrives*

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#### **FlashPoint ShareDrive Compatibility To USB Hard Drive Devices**

This application note is in regards to the USB devices made with hard drives which can work with our FlashPoint ShareDrive, To explain the compatibility we would like to emphasize features related to the ShareDrive. The ShareDrive is based on the USB OTG specifications and we are only limited by the functions performed and not performed in this specification. There are certain limitations to this specification regarding any thumbdrive device.

Our testing of the ShareDrive have shown our ShareDrives are compatible with most USB pen (thumbdrives) drives, MP3 player (Flash memory based) and DSC (not in PTP mode). Of course, our firmware will be upgraded when we find any USB devices are not compatible.

To understand our ShareDrive compatibility a user must look at the basic concepts of USB OTG devices. The basic concept is that the device shall be a USB peripheral with the standard USB device controller IC and it can work well under Windows XP, 2000, 98SE without any driver. However, if the plug-in USB device is a Hard Disk or micro drive, then there is a power issue to be solved before the ShareDrive or any USB device can work with it. Although the ShareDrive has a rechargeable battery, our testing reveal the ShareDrive operate with devices with hard disk drives which require a large power source to function properly. The ShareDrive battery is designed to function well for uploading and downloading data and information however it is not designed to operate mechanical devices such as a Hard Disk. The ShareDrive is compatible with the protocol, the limitation is only the power required to operate with USB HD. The power source of Share Drive (HOST) is based on a Li-ion battery; not like PC or NB (HOST) has a switching power supply to provide enough power current for the USB Hard Disk.

## Compatibility with PDA and Smartphones.

The PDA and smart phone are integrated normally with mini USB connectors. These two devices are not developed under Windows OS. Normally the smart phone is designed under Windows CE or proprietary OS developed by Nokia. In these cases, the Share Drive cannot communicate with such device (they are always played as USB Host but not a Slave). As for the PDA, there are three major OS in the market, Palm, Windows CE or Linux; thus all three operating systems (OS), do not support Windows storage class. FlashPoint ShareDrives can develop a driver for the PDA and we are scheduled to do this in the future (June 2006). The drive will have to be installed in the PDA for ShareDrive operation to function. When we release this product a user will have to install the proprietary driver into their PC before they can run the synchronized function.

## For More Information Contact:

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