

## Adnaco-S3B - USB 3.0 Over Fiber Optic Expansion System



The Adnaco-R1USB30 is a remote standard-USB 3.0 host controller which can operate at distances up to 100 m and more (depending on transceivers and cable) from the location of your computer. Powered by Adnaco PCIe over-fiber-optic technology, the R1USB30 was designed to suit many applications with the USB host interface. The R1USB30 provides 2 USB Root Hub Ports compliant with the USB 3.0 specification. All USB ports can handle the following interfaces:

- Super-Speed (5.0 Gb/s)
- High-Speed (480 Mbps)
- Full-Speed (12 Mbps)
- Low-Speed (1.5 Mbps)

The R1USB30 is connected to a host computer, equipped with the Adnaco-H1A card and a fiber optic cable. Super-Speed USB is backward compatible with USB 2.0 devices and capable of operating with USB 2.0 platforms. The R1USB30 works with all USB systems and peripherals and does not require any additional software.

### PS1 AC/DC 5V Power Supply and Adnaco-R1USB30 in enclosure



## Adnaco-S3B System Power-On/Off Sequence

**There is no special condition for power on/off sequence for your computer and the Adnaco-R1USB30 from an electrical point of view, but to operate properly, the Adnaco-R1USB30 must be powered on first, because** the BIOS needs to configure the PCI and PCIe components properly before the operating system boots.

USB Ports of the Adnaco-R1USB30 fully support USB Hot Plug and Play specifications **and user's USB devices can be powered On/Off in any sequence.**

## Recommended Power On/Off Sequence

### Power-On Sequence

Power on the Adnaco-R1USB30.

Power on the host computer.

*Power-On Sequence Rationale: The host computer BIOS and OS assume all PCI/PCIe cards are available for first code execution following power-up.*

### Power-Off Sequence

Power off the host computer.

Power off the Adnaco-R1USB30.

*Power-Off Sequence Rationale: OS and Drivers assume all PCI/PCIe cards are always available from power-on to power-off.*

*Note: Disconnection of the Fiber Optic Link with the System powered on will require a Power-Off/On sequence to resume operation.*

## Host Side - Computer Hardware Installation

To install the Adnaco-H1A card please follow up section 8 (System Installation) of the [Adnaco PCI Express Over Fiber Optic Systems User's Guide](#).

**Related Documents and Ordering Information:**

Click [here](#) to download the latest Adnaco-H1A data sheet.

Click [here](#) to download the latest Adnaco Gen 2 Systems User's Guide.

Click [here](#) to download the latest Adnaco-R1USB30 data sheet.

Click [here](#) to download other related documentation.

Click [here](#) to download price list and ordering guide.

**Adnaco-S3A system ordering information:**

Part Number	Description
<b>Adnaco-S3B</b>	USB 2.0/USB 3.0 support
<b>Adnaco-S3B-01-XX</b>	USB 2.0/3.0 Expansion System. Included items: <ul style="list-style-type: none"><li>• Adnaco Host Controller H1A-01</li><li>• Remote USB 3.0 Controller R1USB30-01</li><li>• FC1-XX m Fiber Optic Cable: XX=10, 50</li></ul>
<b>Adnaco-S3B-03-XX</b>	<ul style="list-style-type: none"><li>• Adnaco-S3B-01-XX</li><li>• PS1: 5V/3.2A AC/DC power supply</li></ul>