Adnaco-H2 PCIe Gen 2 Host/Remote Adapter Datasheet
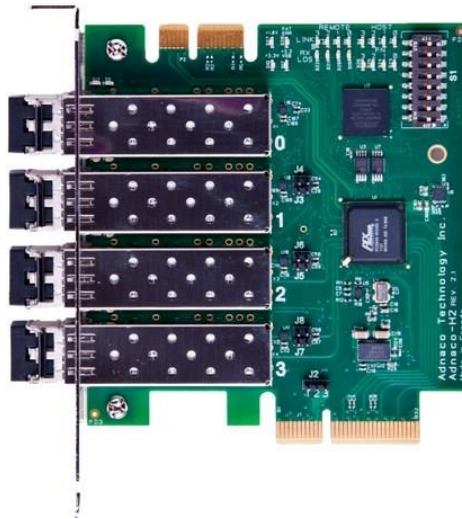

The Adnaco-H2 is a PCIe Gen 2 host/remote adapter, intended to extend the computer PCIe bus over a fiber-optic cable. The adapter is based on a PCIe switch operating in a transparent mode. No additional programming and drivers are required

Product Features:

- Supports PCIe Gen1/Gen2 communication over fiber optic using x1, x2, and x4 lanes
- Interfaces one x4 or four x1 PCIe ports
- Cable length up to 500 m
- Optical isolation
- SFP transceivers with LC connectors
- Can be configured as a host or remote adapter
- PCIe x4 connector can be installed into any PCIe x4, x8, and x16 slot
- Host processor and OS independent and tested with
    - Windows x86/x64: XP, 7, 8, 10, 11
    - Linux x86/x64

Specifications

Cable Interface	- PCIe Gen 2 - One x4 downstream port, 20 GT/s - Four x1 downstream ports, 5 GT/s per port - Separate Refclk with No SSC (SRNS) Architecture
Cable Connectors	Four SFP transceivers
PCIe Switch	Broadcom PEX8608
Form Factor	Standard height card with PCIe x4 edge connector
Dimensions	3.57 x 3.94" (91 x 100 mm)
Power Consumption	7 W max with four multi-mode optical transceivers 2.1A @ 3.3V
Operating Temperature	0^0C to 70^0C
Storage Temperature	-40^0C to 85^0C
Operating Humidity	10% to 90% relative humidity non-condensing
Storage Humidity	5% to 95% relative humidity non-condensing
MTBF	>750,000 hours without optical transceivers >220,000 hours with four multi-mode optical transceivers Calculated per MIL-HDBK 217-F. Environment: Ground Benign, 25^0C.
Agency Compliance	FCC, CE, RoSH

Adnaco-H2 ordering information:

Standard Part Number	Included items
ADNACO-H2-01-4-H	Host adapter with four multi-mode transceivers
ADNACO-H2-01-4-R	Remote adapter with four multi-mode transceivers

Custom Part Number: Adnaco-H2-YY-Z-X

Configuration	Description
YY	**00** – without optical transceivers **01** – with multi-mode transceivers **02** – with single-mode transceivers
Z	The number of transceivers
X	**H** – host adapter **R** – remote adapter

Click here to download Adnaco-S5 User's Guide

Other related documents: http://www.adnaco.com/s5