

20 Gb/s PCIe Gen 2 Over Fiber Optic Expansion System

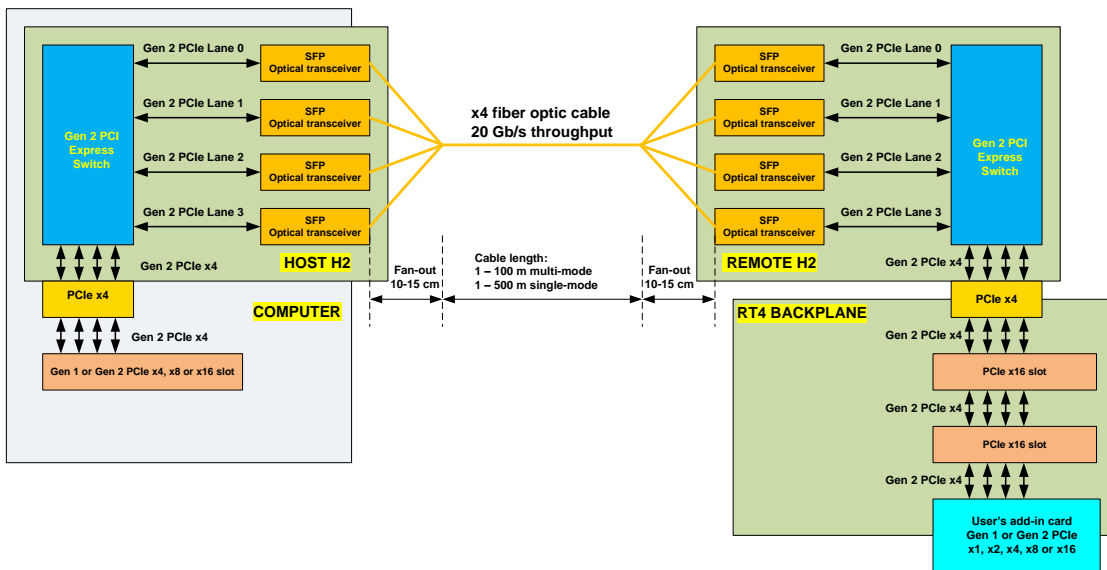


The Adnaco-S5 PCIe Gen 2 Expansion System allows system integrators to operate one x1, x4, x8 or x16 PCIe Gen1/Gen2 card over fiber optic cable at distances up to 500 m from the location of the computer system. No additional host software drivers are required during installation or operation. Any type of PCI Express cards can be used including audio, video, graphics, USB, FireWire, SATA, data-acquisition, network and others. The system consists of 2 PCIe host/remote adapters, a fiber optic cable, and a PCIe backplane.

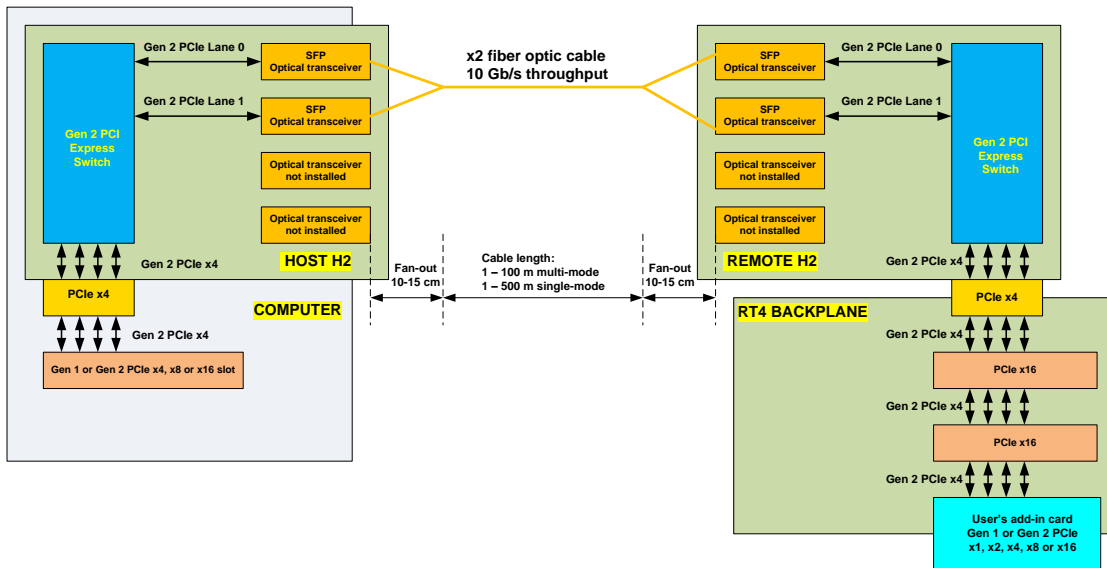
Product Features:

- Supports PCIe Gen1/Gen2 communication over fiber optic using x1, x2 and 4x lanes
- Host adapter can be installed into any PCIe x4, x8 and x16 slot
- Remote PCIe x16 connector wired electrically x4
- Remote backplane auto power on/off
- Backplane can be mounted in any standard ATX or MicroATX case
- Host processor and OS independent and tested with
 - Windows: XP x86, Win7, 8 x86, Win7, 8 x64
 - Linux x86/x64
 - Mac OS
 - VxWorks
- Optical isolation
- SFP transceivers with LC connectors

System diagram: x4 configuration



System diagram: x2 configuration



Adnaco-S5 system ordering information:

Standard Part Number	Included items
ADNACO-S5-01-4-002-B	<ul style="list-style-type: none"> ADNACO-H2-01: Host/Remote x4 Adapter with 4 multi-mode transceivers and standard height bracket – 2 pcs ADNACO-RT4: Backplane – 1 pcs 2 m x4 multi-mode fiber optic cable FC1-4-2 – 1 pcs
ADNACO-S5-01-4-010-B	<ul style="list-style-type: none"> ADNACO-H2-01: Host/Remote x4 Adapter with 4 multi-mode transceivers and standard height bracket – 2 pcs ADNACO-RT4: Backplane – 1 pcs 10 m x4 multi-mode fiber optic cable FC1-4-10 – 1 pcs
ADNACO-S5-01-4-025-B	<ul style="list-style-type: none"> ADNACO-H2-01: Host/Remote x4 Adapter with 4 multi-mode transceivers and standard height bracket – 2 pcs ADNACO-RT4: Backplane – 1 pcs 25 m x4 multi-mode fiber optic cable FC1-4-25 – 1 pcs
ADNACO-S5-01-4-050-B	<ul style="list-style-type: none"> ADNACO-H2-01: Host/Remote Adapter with 4 multi-mode transceivers and standard height bracket – 2 pcs ADNACO-RT4: Backplane – 1 pcs 50 m x4 multi-mode fiber optic cable FC1-4-50 – 1 pcs
ADNACO-S5-01-4-100-B	<ul style="list-style-type: none"> ADNACO-H2-01: Host/Remote Adapter with 4 multi-mode transceivers and standard height bracket – 2 pcs ADNACO-RT4: Backplane – 1 pcs 100 m x4 multi-mode fiber optic cable FC1-4-100 – 1 pcs

Custom Part Number: Adnaco-S5-YY-Z-XXX{Option1}

Configuration	Description
YY	00 – without optical transceivers 01 – with multi-mode transceivers 02 – with single-mode transceivers
Z	The number of transceivers in the H2 and fibers in the cable
XXX	XXX – cable length in meters: 002, 010, 025, 050, 100 000 – supplied without cable Cable type matches transceivers type : multi-mode or single-mode
Option1	-B – with Adnaco-RT4 backplane Leave blank - supplied without Adnaco-RT4

Component Part Numbers:

Part Number	Contents
Adnaco-H2- YY-Z	PCIe Gen1/Gen2 x4 host/remote adapter YY –transceiver type 00 – without optical transceivers 01 – with multi-mode transceivers 02 – with single-mode transceivers Z – the number of installed transceivers: 1, 2, 4
Adnaco-FC Y-Z-XXX	LC-LC, multi-fiber cable Y – fiber type 1 – multi-mode 2 – single-mode Z – number of duplex fibers: 2, 4 XXX – cable length in meters: 002, 010, 025, 050, 100
Adnaco-RT4	Backplane with 1 x4 PCI Express slot

[Click here to download Adnaco-S5 User's Guide](#)

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

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