

**Product Brief****PCI/PCIe Expansion System**

The Adnaco-S2 PCI/PCIe Expansion System allows system integrators to operate 2 PCI and 2 PCIe add-in cards over fiber optic cable at distances up to 250 meters from the location of the computer system. No additional host software drivers are required during installation or operation. Any type of PCI and PCI Express cards can be used including audio, video, graphics, USB, FireWire, SATA, data-acquisition, network and others. The System consists of a PCIe host adapter, a fiber optic cable, an expansion chassis.

**Product Features:**

- Host adapter can be installed into any PCIe slot
- 2 PCI and 2 PCIe add-in cards can operate simultaneously in expansion chassis
- Compact thermally advantaged chassis
- 300W power supply, SFX12V 3.0 complaint, active PFC, universal input
- Host processor and OS independent
- Optical isolation
- Cable length up to 250 meters, standard 50 m
- SFP transceivers with LC connectors
- Passed PCI-SIG compliance testing

**Specifications: Adnaco-S2 PCI/PCIe Expansion System**

Product Name	Adnaco-S2
Host card	Adnaco-H1
Expansion chassis	Adnaco-C2
Fiber optic cable	Adnaco-FC1, LC-LC, Multi-mode, Duplex, 50/125 μm, 50 m
Communication	Support for one full duplex 2.5 Gbps link over fiber optic cable
Software	Transparent to software applications and drivers

**Expansion Chassis Specifications**

Product Name	Adnaco-C2
Backplane	Adnaco-R1BP1 One PCIe x16 (electrical x1) connector One PCIe x8 (electrical x1) connector Two PCI, 32 bit, 33 MHz, 5V connectors
Installed add-in cards	USB 2.0 PCI host adapter
Physical Dimensions	136 mm W x 370 mm D x 329 mm H ( 5.3"W x 14.5"D x 12.9"H )
Material	Steel chassis, flame retardant plastic parts
Drive Bays	1 - 5.25" CD-ROM 2 - 3.5"(1") HDD
System Cooling	One power supply fan Two rear-mount 60mm fans (one optional)
Power Supply	SFX12V 3.0 complaint, active PFC, universal input INPUT Input Range        90..264VAC Frequency         47..63Hz Input Current      <6A @ 90VAC Efficiency         >70% @ 115/230VAC OUTPUT Maximum Power 300W +3.3 V            18.0 A +5.0 V            18.0 A +12.0 V          11.0 A -12.0 V          0.4 A
Operating Environment	Temperature: 0° C to +55° C Relative Humidity: 10 to 85%, non-condensing
Storage Environment	Temperature: -40° C to +70° C Relative Humidity: 5 to 85%, non-condensing
Regulatory Compliance	FCC class B, ICES-003 class B, CE
Weight	6.1 kg (13.4 lb)

## Ordering Information

### Parts

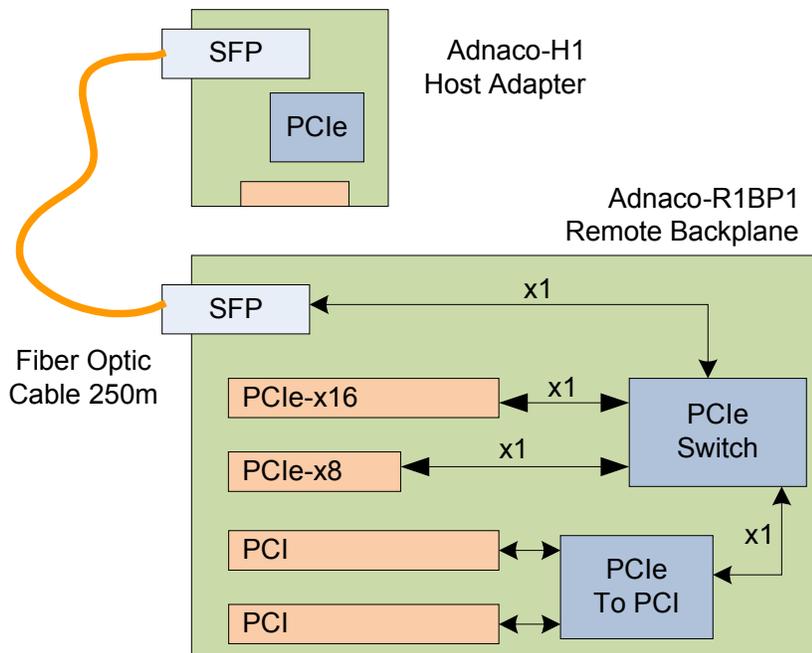
<b>H1</b>	Adnaco-H1, PCI Express Host Adapter
<b>C2</b>	Adnaco-C2, PCI/PCIe Expansion Chassis
<b>FC1-50</b>	Adnaco-FC1, Fiber Optic Cable, LC-LC, Multi-mode, 50/125 μm, 50 m

Part Number	Contents
Adnaco-S2-01-50	PCI/PCIe Expansion System with 50 m fiber optic cable H1-02, C2-01, FC1-01-50

### Related Documents and Products:

Adnaco-H1-DS	Adnaco-H1 PCI Express Host Adapter Data Sheet
Adnaco-R1BP1-DS	Adnaco-H1 PCI/PCIe Backplane Data Sheet
Adnaco-FC1-DS	Adnaco-FC1 Fiber Patch Cable, LC-LC, MM 50/125 μm, Duplex
Adnaco-Sirius-R1TK-UG	PCI Express Extension Over Fiber Optic Test Kit

## System Block Diagram



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