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Find the *dSPACE DS814-09* at our website: *Click HERE*

Link Boards

Connecting a host PC with dSPACE systems

Highlights

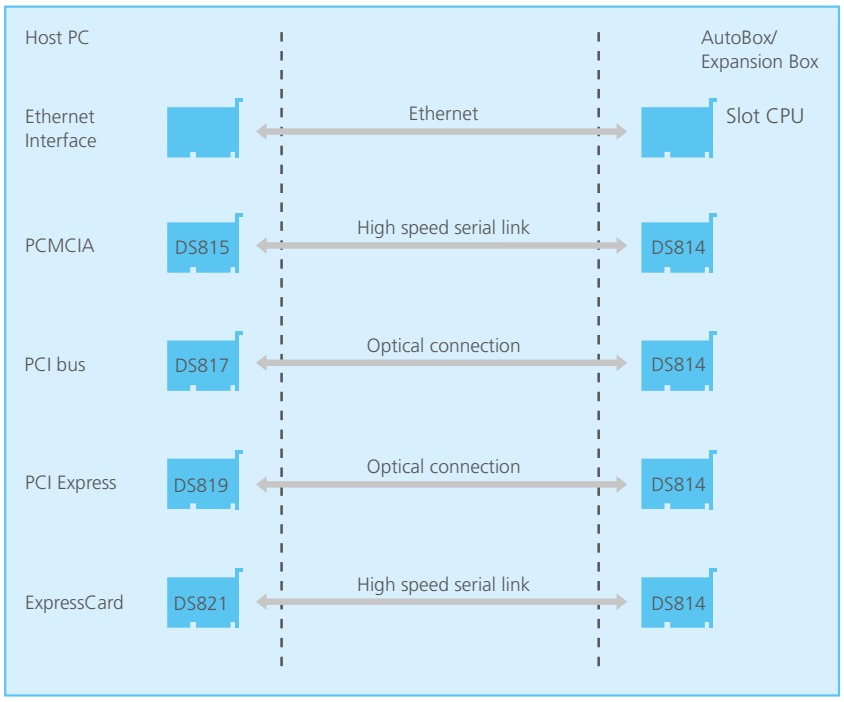
- Connection via different link types (ISA, PCI, PCI Express, PCMCIA, ExpressCard or Ethernet)
- Partitioning the peripheral high-speed (PHS) bus



Several Connection Options

There are several options for connecting an Expansion Box or AutoBox to your host PC/notebook: The physical connection is established via a high-speed serial or optical link.

There are Link Boards for connecting host PCs via ISA, PCI, PCI express, PCMCIA, ExpressCard or Ethernet with 100 megabit/s technology[1)].



1) *This is the capability of the hardware components and circuits of our products. Depending on the software, the achievable performance figures can deviate significantly from this hardware specification.*

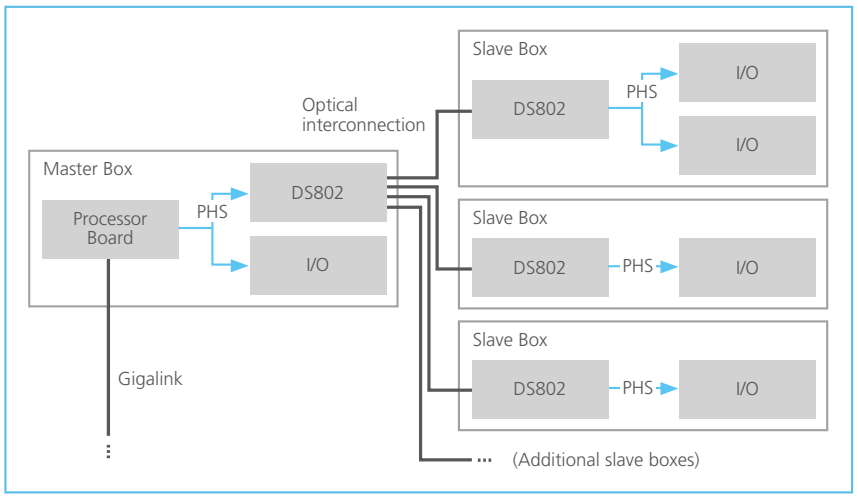
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Partitioning the PHS Bus with the DS802 PHS Link Board

Modular I/O

With the DS802 PHS Link Board, you can spatially partition the PHS bus by arranging the I/O boards in several expansion boxes. The box which contains the processor board is the master box. Boxes which contain only I/O boards are slave boxes. One DS802 must be installed in the master box and one in every slave box. The DS802 boards provide the necessary link between the boxes via fiberoptic cable (up to 100 m). A typical use scenario for the DS802 PHS Link Board is for adding and removing a simulator's slave systems in response to changing tasks. Slave systems can be replaced within one simulator or exchanged between simulators. This setup is ideal for all applications that do not need processing power in every expansion box and ensures optimal utilization of your simulator resources. Master-slave systems can of course be combined with multiprocessor systems.

With the DS802 PHS Link Board, you can partition the PHS bus by arranging the I/O boards in several expansion boxes up to distances of 100 m apart. Only the master box contains a processor board, ensuring optimal utilization of your simulator resources.



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