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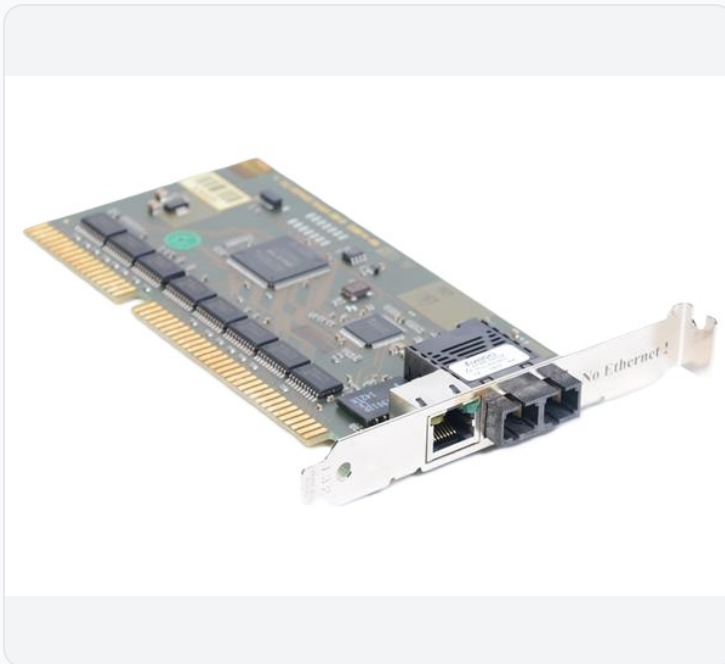
Data Sheet

August 15, 2026

dSPACE

dSPACE DS814-09 Link Board

Queue model DS814-09 is the dSPACE DS814 slave link board for connecting a host PC to a dSPACE Expansion Box or AutoBox. OEM dSPACE Link Boards literature rates high-speed serial or optical PHS-bus partitioning, 100 Mbit/s hardware class, host options ISA/PCI/PCI Express/PCMCIA/ExpressCard/Ethernet with DS813/815/817/819/821 on the PC side and DS814 in the box. Artisan DS814-09 configuration: slave interface 16-bit ISA slot class, 1 lb. Replaced in later systems by Slot CPU NetKit Ethernet. Used with DS1005/DS1006 processor boards and PX4/PX5/PX10/PX20 expansion boxes. Host-to-Expansion-Box/AutoBox PHS link for HIL and rapid-control-prototyping, optical or high-speed serial. Physical Link: high-speed serial or optical Host Options: ISA, PCI, PCI Express, PCMCIA, ExpressCard, Ethernet Artisan Config: slave interface, 16-bit ISA slot class Ship Weight Class: 1 lb (Artisan DS814-09)



MODEL

dSPACE DS814-09

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

DS814-09

LISTING

<https://aumictechlabs.com/products/ds814-09-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The dSPACE DS814-09 Link Board is an interface card designed for hardware-in-the-loop (HIL) simulations and rapid control prototyping (RCP) applications. It facilitates communication between host PCs and dSPACE Expansion Boxes, enabling spatial partitioning of the Peripheral High-Speed (PHS) bus across multiple I/O boards. The DS814-09 mounts directly within an expansion box and connects to compatible host PC link boards via high-speed serial, optical, or Ethernet.

connections. Technical Specifications Model: DS814-09 Data Transfer Rate: Up to 100 MBit/s Host PC Interface: 16-bit ISA slot Installation: Slave interface card installed in dSPACE Expansion Box Power Supply: +5 V $\pm 5\%$, 150 mA from PC Physical Dimensions: 158 × 80 × 18 mm (6.3 × 3.1 × 0.7 in.) Form Factor: Insert Link Card Key Features Supports multiple connection types - high-speed serial links, optical connections, and Ethernet (100 Mb/s technology) Enables distributed I/O architecture across expansion boxes without central PHS bus bottleneck ISA slot interface for legacy host PC integration Compatible with dSPACE Release 5.2 and later software Operates with Pentium III at 800 MHz minimum (Pentium 4 at 1.6 GHz or higher recommended) Typical Applications Distributed HIL test systems requiring spatial partitioning of I/O resources Real-time control prototyping with multi-box expansion architectures Systems requiring extended I/O connectivity beyond single-box capacity Compatibility & Integration The DS814-09 functions as the expansion box endpoint and requires a complementary link board installed in the host PC (DS813, DS815, DS817, DS819, or DS821 depending on host interface type). This paired architecture enables flexible communication topology across dSPACE AutoBoxes and Expansion Boxes. The board integrates with dSPACE hardware-in-the-loop environments where PHS bus partitioning improves system scalability and real-time performance.

DS814 Characteristics / Specifications

PARAMETER	VALUE
Model	DS814-09
Instrument Type	dSPACE PHS host link board (slave)
Family	dSPACE Link Boards DS813/DS814/DS815/DS817/DS819/DS821
Link Rate Class	100 Mbit/s hardware capability
Bus	Peripheral High-Speed (PHS) bus partitioning
Physical Link	high-speed serial or optical
Host Options	ISA, PCI, PCI Express, PCMCIA, ExpressCard, Ethernet
Artisan Config	slave interface, 16-bit ISA slot class
Ship Weight Class	1 lb (Artisan DS814-09)
Successor	Slot CPU NetKit Ethernet replaces DS814 in later boxes
Box Family	Expansion Box, AutoBox, PX4, PX5, PX10, PX20, Tandem-AutoBox
Processor Boards	used with DS1005 PPC and DS1006 processor boards
Example Kit	TABX814/815 14-slot box with DS814, DS815-2 PCMCIA, 5 m patch
Manufacturer	dSPACE GmbH
Literature	dSPACE Link Boards datasheet and DS814-09 Artisan configuration
Form Factor	dSPACE box slave link board
System Role	host interface for PHS expansion
Application Class	HIL and RCP
Year Class	2009 link-board generation
Replacement	Slot CPU for Ethernet withoutahost PCI slot
Duplex Class	host to box PHS extension
Software Note	achievable rate depends on software, may be below 100 Mbit/s hardware
Brand Lineage	dSPACE
Use Case	spatially partition I/O boards across expansion boxes
Documentation Type	OEM dSPACE link-board datasheet

PARAMETER	VALUE
Interface Class	PHS slave

DS814 Specifications

PARAMETER	VALUE
Applications	Host-to-Expansion-Box/AutoBox PHS link for HIL and rapid-control-prototyping, optical or high-speed serial.
Key Features	DS814 slave in the dSPACE box, 100 Mbit/s class
Technical Specifications	Model: DS814-09

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes
From dSPACE Link Boards datasheet (100 Mbit/s class, PHS partitioning, DS814 in-box slave, host DS813/815/817/819/821) and Artisan DS814-09 16-bit ISA slave configuration. Cable length and optical budget are on the specific link-cable drawing.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.