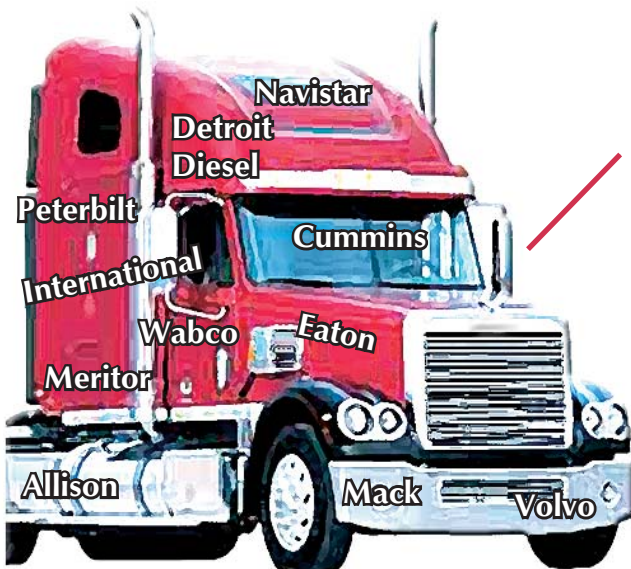


DEARBORN PROTOCOL ADAPTER III

An RP1210A truck and bus tool



DPA 3 is a diagnostic tool that you use to communicate between your bench-top or lap-top PC and a variety of in-vehicle network protocols, including CAN, SAE J1939, J1708, J1587, and J1922, and other protocols. It is available in either an RS-232 interface, an ISA card, or a PC104 card platform.

Works with most major OEM software

The DPA provides a unique “one-tool solution” for flexibility to connect to truck/bus networks and passenger vehicle networks by providing an RP1210A and RP1202 APIs. Also, the DPA is enhanced with a special pass-through mode that emulates many existing hardware platforms to support multiple legacy software packages. This means that you only need one diagnostic tool, instead of several hardware adapters supplied by various OEMs. The DPA 3 was designed for use with many legacy software packages. Preserve your software investments with the DPA 3.

Rugged metal packaging

You can use the DPA in virtually any environment. Its rugged metal packaging lets you use it in the garage, or service center because it can withstand harsh conditions.

Quick change API Software Library

The TruckConnect™ programming interface includes an RP1210A driver and a C library API for Windows. Simple set-up in an INI file lets you quickly change to different hardware platforms without re-coding your software. This library also has a CALLBACK feature that creates a dedicated thread to retrieve messages continuously. To further off load PC overhead, it also supports the J1939 transport protocol in the hardware.

Key Features

Support for a variety of network protocols:

CAN (J1939), J1708, J1850 VPW (Class 2), ISO 9141, SWCAN, GM UART, Haldex, Atec, and SCP.

One tool solution (works with most OEM software)

Compatibility with several standard APIs (such as, RP1210A, DG Labview)

Pass-through mode (RP1202) for use with existing OEM software

Rugged metal packaging

Survives short power interruptions with recovery

Can use our DLM analyzer package or create your own application with the TruckConnect™ Software Library

Provides versatility and flexibility to connect to truck/bus and passenger car networks.

Supports wide voltage range from 9-32 VDC

Choose your own DPA

The DPA comes in a variety of options to accommodate your specific vehicle networking needs. Custom DPAs are also available. Please contact your salesperson for more details.

DPA Versions Available

		RS-232 Platform				Other Platforms	
		DPA 3 Standard	VSI ¹ Emulator	Ford Version	Military	PC104 Versions	ISA Version
Part number		DG-DPAIIIPLUS	DG-DPAIIIV	DG-DPAIIIF	DG-DPAIIIMH	DG-DPAIIIPC104	DG-DPAIIISA
Supported Protocols	CAN (J1939)	X	X	X	X	X	X
	J1708	X	X	X	X	X	X
	J1587	X	X	X	X	X	X
	J1922	X	X	X	X	X	X
	GM Class2 (J1850)	X	X			X	X
	Ford SCP (J1850)			X			
	GMUART	X				X	X
	Ford ISO-9141			X			
	KWP2000	X				X	X
	ATEC 1				X		
	Haldex				X		
SWCAN ²	X	X	X	X	X	X	

¹The VSI Emulator features a "pass-through mode" with a VSI emulator on it allowing the DPA to run VSI legacy software.

²SW-CAN is available upon special request

API Support

RP1202

Pass-through support

RP1210A

Support for protocols CAN (J1939), J1708, J1587, J1922, and GM Class 2 (J1850 VPW)

Dearborn Group API

Support for protocols CAN (J1939), J1708, J1587, J1922, Class 2 (J1850), SCP (J1850), GMUART, KWP2000, and ISO-9141

Software Support

Data Link Monitor (DLM) - a development tool used for sending, receiving, filtering and triggering. It also supports flight recording, real-time playback, flagging, and offers file export capabilities with convenient utilities.

PlusLink - an interface used to launch OEM Diagnostic software.



Product Designation

DG-DPAIII

Size (RS-232 versions)

1" x 6.25" x 2.625"

Operating Voltage Range

9-32 VDC

Hardware features

Pass-through mode
On-board flash for field upgrades
PC and Network status LEDs

Deliverables

DPAIII
RS-232 cable
DB15 cable
API and DLLs for Windows
Product Manual

For product or domestic and international sales office information, contact:

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