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New DBK70™-CAN Vehicle Network Interface
Records Vehicle CAN-Bus and DAQ Measurements Synchronously

DETROIT, SAE World Congress 2001, March 6, 2001 — IOtech, Inc. today introduced its newest addition to their line of data collection products, the DBK70-CAN Vehicle Network Interface module. As more domestic and international vehicle manufacturers incorporate CAN-based networks for diagnostic purposes and intra-component communication, there is a growing demand for the DBK70-CAN module.

With this addition, IOtech's portable bench top and stand-alone data acquisition products can now synchronously collect and record a CAN-bus enabled vehicle's network parameters synchronously with data collected directly from transducers. Providing time correlation between vehicle network parameters and direct analog and digital measurements is unique in the marketplace, as solutions from other suppliers are unable to provide correlation between both network data and measured parameters.

The DBK70-CAN allows acquisition products to correlate synchronously collected vehicle CAN-bus parameters and transducer data

Each fully configured DBK70-CAN module can monitor up to 16 vehicle parameters. In addition, one DBK70-CAN module can be connected to a maximum of four different CAN-buses concurrently. Multiple network interfaces allow the DBK70-CAN module the flexibility to use one device on multiple vehicle platforms, or to concurrently collect data from multiple networks on a single vehicle.

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Attaching the DBK70-CAN to the vehicle's OBD (on-board diagnostics) connector, network parameters of all kinds can be immediately recorded along with measurements from transducers attached directly to IOtech's family of data acquisition products.
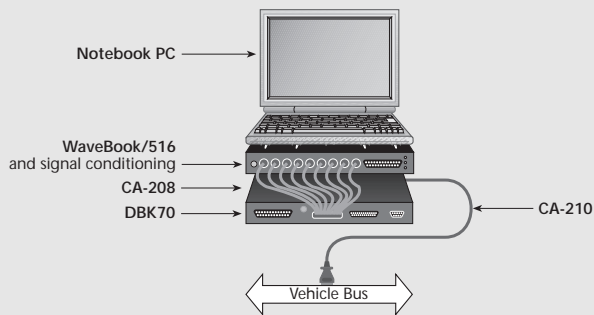
CAN Features Supported

CAN interface cards for the DBK70 supports:
- Both CAN type X and CAN type Y
- The full CAN bandwidth of 1Mbyte/s
- The J1939 protocol found mostly in trucks and busses and includes the entire J1939 database of more than 300 messages.
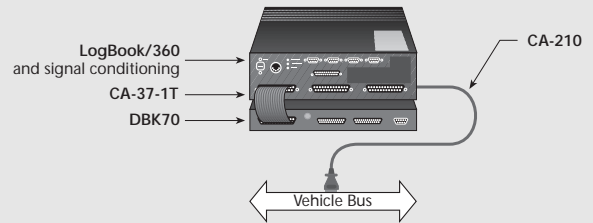
Included *Out-of-the-Box*™ Software

Out-of-the-Box™ software, provided with the DBK70, allows immediate setup and operation. When used with IOtech data acquisition products, *Out-of-the-Box*™ software allows concurrent collection and real-time displays of the network and transducer channels.
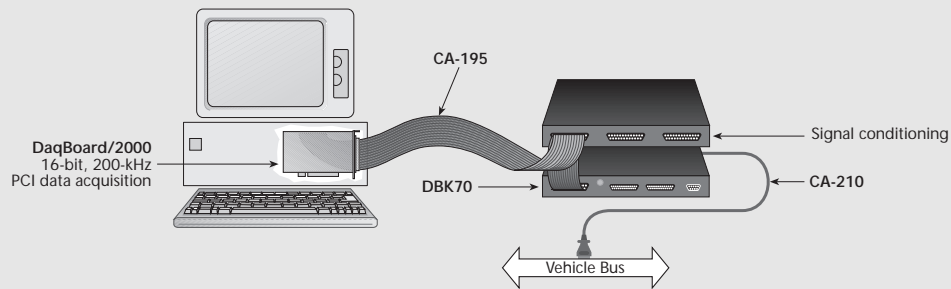
IOtech's Data Acquisition Products

Portable Data Acquisition. When the DBK70-CAN is combined with IOtech's WaveBook™ portable data acquisition device, up to 72 transducer or network channels can be read at up to 1Msample/s.

Stand Alone Data Acquisition. For stand-alone applications, the DBK70-CAN can be used with IOtech's LogBook™ to collect hundreds of channels of transducers and network parameters at up to 100 kHz without the need for a PC.

Desktop Data Acquisition. When attached to a PC equipped with a DaqBoard/2000™ series PCI card, up to 407 channels of analog, digital, counter/timer, and vehicle network channels can be collected at up to 200 kHz.

Ordering Information

The DBK70 accommodates up to four Network Interface cards including the CAN interface card. If only one network is to be used, then only one Network Interface card is required. If multiple networks are to be attached to one DBK70, then up to four Network Interface cards can be installed.

Pricing and Availability

The DBK70 and the CAN interface card are available for order immediately.

Product	Description	US List Price
DBK70	In-vehicle network converter chassis, 10′ vehicle connection cable, CA-212 serial port cable, user manual, setup software and drivers	*$1495*
DBK70-P4	4 Parameter Capture module (up to 4 in one chassis for a total of 16 measured parameters)	*$495*
DBK70-CAN	CAN Network Interface cards (up to 4 per chassis)	*$495*

About IOtech

IOtech produces data acquisition hardware and software for use in PC-based test & measurement and industrial automation systems. Its products are used in research and manufacturing facilities and are sold throughout the world. IOtech, Inc. is located at 25971 Cannon Road, Cleveland, Ohio, 44146; telephone: (440) 439-4091; fax: (440) 439-4093; E-mail: sales@iotech.com; World Wide Web: www.iotech.com.

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DBK70™ WaveBook™, LogBook™, DaqBoard/2000™, and *Out-of-the-Box*™ are the property of IOtech; all other trademarks or registered trademarks are the property of their respective owners.