

# Product Information



DataLinks increase the usefulness of Industrial LAN Networks by enabling OEM (Other Equipment Manufacturer) equipment to communicate with them.

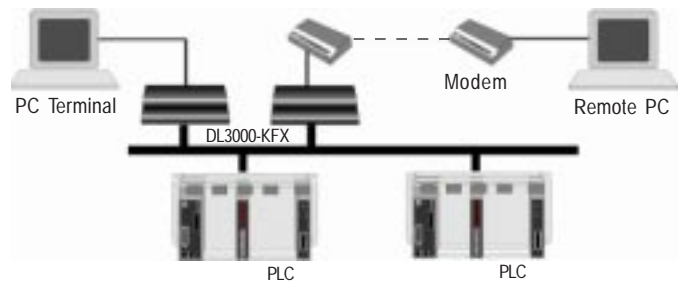
The DataLink family of freestanding products enables serial interfaces on a wide range of computers, networks, and other vendors' equipment to connect with networks such as Data Highway Plus, Remote I/O, and Modbus, etc.

The DataLink product line combines a flexible hardware platform with socketed firmware modules to enable high-speed interconnectivity between different vendors' equipment and networks.

## DL3000-KFX Desktop/DIN Rail Mounted Serial Interface

The DL3000-KFX is a low cost, compact alternative to Allen-Bradley's 1770-KF2. The DataLink converts A-B DF1 serial protocol to A-B DH+ network protocol. It provides a serial interface to DH+ for computers, modems, and OEM equipment. Applications include PLC programming and graphical user interfaces (GUIs and MMIs). The -KFX will interface all PCs, PS/2s, Macintosh, desktops and portables to DH+. Its size, portability, and DIN rail or desktop mounting option make it convenient for use in both the office and the plant floor.

- Compact and Lightweight** The smallest and lightest freestanding serial interface to DH+ available
- Easy Configuration** All parameters are menu-driven
- Serial Interfacing** RS232C (RS422 and RS485 forthcoming)
- Increased Throughput** 230.4 Kbaud serial/DH+ selection for faster throughput than competitive products
- Less Expensive** The DL3000-KFX is 1/3 less expensive than comparable Allen-Bradley products



## Specifications

### Interfaces

*Channel A:* Synchronous; SDLC; Transformer-coupled  
*Channel B:* Asynchronous; RS232C and RS422/RS485 option

### Physical Dimensions

*Size:* 1.05"H x 4.20"D x 3.45"W  
(26.2 mm x 105.0 mm x 86.3 mm)  
*Weight:* 0.66 lbs (0.300 kg)

### Power

*DC:* 9 - 30 VDC; Less than 2 Watts

### Installation

Metal enclosure; Freestanding or DIN-Rail mounting clips

### Environment

*Operating:* +32°F to 122°F (0°C to +50°C)  
*Storage:* -40°F to +185°F (-40°C to +85°C)  
*Humidity:* 5% to 95% non-condensing

### Protocols

*Channel A:* Allen-Bradley Data Highway Plus  
*Channel B:* Allen-Bradley DF1 (ANSI X3.28)

### Configuration

PC Program software menu for communications parameters

### Indicators

1 LED for power-on;  
3 Bi-color LEDs for communications activity

### Switches

Reset and Configure/Diagnostics mode pushbuttons

### Error Detection

*Channel A:* CRC  
*Channel B:* BCC or CRC

### Communications

*Channel A:* Synchronous; DH+ up to 230.4 Kbaud;  
*Channel B:* Asynchronous; 300, 600, 1200, 2400, 4800, 9600 baud, 19.2, 38.4, 57.6, 115.2, and 230.4 Kbaud selection

### Hardware

Z182 Processor; 64 Kbyte programmable flash EPROM; 32 Kbyte RAM; 256 byte EEPROM; Connectors: 3-pin DH+; 9-pin serial; 2-pin power