

DL-PC Hardware Specifications



DL-PC

Data Highway Plus (DH+) / Remote I/O (RI/O) Adapter PC ISA BUS Interface Card

The DH+ / RI/O Adapter Card is a ISA based module which allows ISA bus computers or OEM based applications access to AB's DH+ and RI/O networks. The Interface Card allows exisiting 1770-KF2, and PLC CH0 Serial DF1 drivers to run at the PC's ISA bus speed. This will allow MMI, HMI, SCADA equipment, and other computer applications access to any DH+ node including PLC's and SLC's. All settings are accomplished using an easy to use Windows based Configuration Program over the bus or by using an external RS-232 connection to another computer.

Data Highway Plus (DH+)

Remote I/O (RI/O)

Speeds: 57.6, 115.2, and 230.4 Kbaud Configurable DH+ address (0 to 770) Speeds: 57.6 K, 115.2 K, and 230.4 Kbaud Occupy 1 to 7 virtual adapter Racks 128 bits of throughput data per rack Up to 16 Block Transfer Reads and Writes per rack

Equustek Solutions, Inc. Suite 815 – 1200 W 73rd Ave. Vancouver, BC, Canada – V6P 6G5 Toll Free: 888-387-3787 Tel: (604) 266-8547 Fax (604) 266-9547 Web-site: <u>www.equustek.com</u>



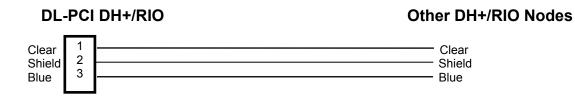
Standard ISA bus connection
Pushbutton to enable Hardware configuration (COM and IRQ)
Parameters: Hardware and Online (DH+ / RI/O) are stored in Non-Volitile EEPROM
FLASH firmware allows ease of upgrading
DF1: Both Full (Point to Point) and Half (Multidrop) Duplex Modes
DF1: Either BCC or CRC error checking
Diagnostic DF1 counters for driver statistics

ERROR Led: Red Led indicates driver and network errors **NETWORK Led:** Green Led indicates either DH+ or RI/O activity **BUS Led:** Green Led indicates access to the cards 16550 UART Emulator (COM PORT) by DF1 driver

Dimensions: Standard ISA Card **Operating Environment**: 32 to 122 °F (0 to 50 °C) **Storage:** -40 to 185°F (-40 to 85°C) **Humidity:** 5% to 95% non-condensing **Power:** ISA Bus 5V - 1.5 watts

Wiring Diagrams

1. Online Cable DL-PCI DH+/RIO



Note: Clear & Blue might have to be swapped depending on existing DH+ wiring RIO wiring usually has the Clear and Blue swapped

2. Offline Programming Port RS232 – 5 Pin Plug

