DL-PCIe Hardware Specifications

DL-PCIe

Data Highway Plus (DH+) OR (DH-485)
PC PCI EXPRESS BUS Interface Card

The DH+ / DH-485 Card, is a PCI Express based module which allows PCI Express bus computers or OEM based applications access to AB's DH+ Or DH485 networks. The Interface Card allows existing 1770-KF2, or 1770-KF3 and DF1 Drivers to run at the PC's PCI Express bus speed. This will allow MMI, HMI, SCADA equipment, and other computer applications access to any DH+ or DH485 node including PLC's and SLC's.

All settings are accomplished using Dip Switches or an easy to use Windows based Configuration Program over the bus. More over the card adds to your PC a general purpose RS232 9 Pin DSUB Serial Com Port.

Data Highway Plus (DH+)

Speeds: 57.6, 115.2, and 230.4 Kbaud
Configurable DH+ address (0 to 77o)

DH-485

Speeds: 4800, 9600 Baud, and 19.2 Kbaud
Configurable DH-485+ address (0 to 31 decimal)

Equustek Solutions, Inc.
Suite 286 – 5489 Byrne Rd.
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Tel: (604) 266-8547   Fax (604) 266-9547
Web-site: www.equustek.com

Specifications

PCI Express bus connection , can fit in any X1, X4 , X8, and X16 PCI Express bus slot.
Pushbutton to enable Hardware configuration (Flash Upgrade Firmware, etc)
Parameters: Hardware and Online (DH+ / DH-485) are stored in Non-Volatile EEPROM Or use the DIP switches to configure the card.
FLASH firmware allows ease of upgrading
DF1: (Point to Point) Full Duplex Mode.
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 DH485 activity
BUS Led: Green Led indicates access to the Serial side (COM PORT) by DF1 driver

Dimensions: DL-PCIe Card Physical Dimensions (4.376" Height X 4.00" width)
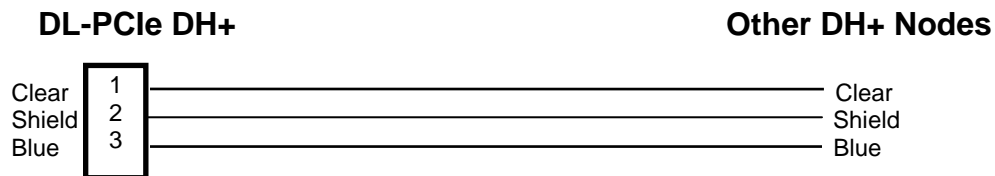**Operating Environment**: 32 to 122 °F (0 to 50 °C)
Storage: -40 to 185°F (-40 to 85°C)
Humidity: 5% to 95% non-condensing
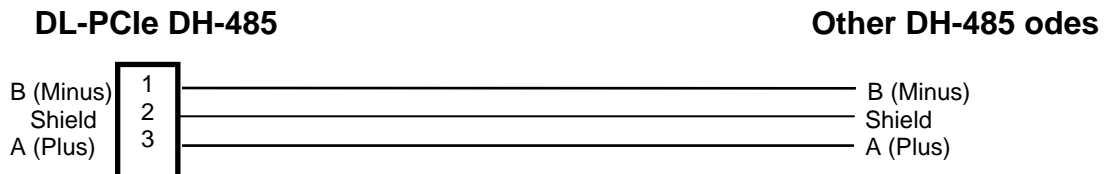**Power:** PCI Express Bus 3V and 12V - 1.5 watts

Wiring Diagrams

1. Online Cable DL-PCIe DH+/DH485

DL-PCIe DH+   **Other DH+ Nodes**

	Pin		
Clear	1	——————	Clear
Shield	2	——————	Shield
Blue	3	——————	Blue

Note: Clear & Blue might have to be swapped depending on existing DH+ wiring

2. Online Cable DL-PCIe-CHA DH-485

DL-PCIe DH-485   **Other DH-485 odes**

	Pin		
B (Minus)	1	——————	B (Minus)
Shield	2	——————	Shield
A (Plus)	3	——————	A (Plus)

Note: Pins are number with PIN 1 on the bottom side of the card