

# HSL-D116DO16-UJ/-US/-UD

## 16-CH Discrete Input-16-CH Discrete Output Modules



HSL-D116DO16-UJ-NN



HSL-D116DO16-US-NN



HSL-D116DO16-UD-NN

### Features

- Support 16 DI channels and 16 DO channels
- Transmission speeds: 3/6/12 Mbps
- RJ-45 phone jack for easy installation
- Compact and single board design to meet space limitation and cost-effective requirement
- Offer three connection options:



#### UJ Type

- Suitable for single I/O channel wiring.
- Each connector offers three pins: power, signal, and ground.



#### US Type

- Suitable for bundle wiring with lock.
- Flat cables can be used to connect to each sensor or actuator.



#### UD Type

- Suitable for screw type wiring.
- Each wire to sensors or actuators can be fixed by the screw terminal.

### Software Support

#### Windows® Platform

Windows® 7/Vista (32-bit)/XP/2000 libraries

#### HSL LinkMaster Utility

The HSL LinkMaster utility is used to scan and test slave devices.

### Applications

- Industrial control and process systems
- CIM (Computer Integrated Manufacturing) systems
- Security control systems
- Remote control systems

### Specifications

■ Slave ID Consumption	1
■ Transmission Mode	Full/Half duplex
■ Transmission Speed	3/6/12 Mbps selectable, 6 Mbps is the default setting
■ Input Impedance	4.7 K $\Omega$
■ Input Current	$\pm 10$ mA (max), $\pm 12$ mA (peak), NPN sinking type
■ Input Voltage	+24 V
■ Operation Temperature	0°C to +60°C
■ Photo Couple Isolation Voltage	2500 V <sub>RMS</sub>
■ LED Indicator	Power, Input/Output status and Link
■ Dimension	138 x 52.7 x 71.8 mm (W x H x D)
■ Power Requirement	+24 V <sub>DC</sub> ( $\pm 10\%$ )

### Ordering Information

#### ■ HSL-D116DO16-UJ-NN

16-CH discrete input and 16-CH discrete output module with UJ type connector, NPN type

#### ■ HSL-D116DO16-US-NN

16-CH discrete input and 16-CH discrete output module with US type connector, NPN type

#### ■ HSL-D116DO16-UD-NN

16-CH discrete input and 16-CH discrete output module with UD type connector, NPN type

#### ■ PCI-7853

Single HSL master controller with two separate connectors

#### ■ PCI-7854

Dual HSL master controller with four separate connectors

#### ■ PCI-7856

Master-slave distributed motion & I/O master controller (For more information on PCI-7856, please refer to Section 6, P6-26)