

netlinx[®] control cards and net modules



NetLinx Control Cards serve as flexible, modular building blocks for creating advanced control applications. Up to 12 Control Cards can be inserted into the NetLinx CardFrame's front-access control slots, or supplied in a NetModule enclosure for stand-alone operation. Control Cards can meet a wide variety of control needs, including multi-port RS-232/422/485, IR/Serial, Input/Output, Relay, Voltage, and Volume control. Every Control Card includes a full array of LED status indicators at the front, easily viewable from the NetLinx enclosure's translucent cover. Whether in a CardFrame or NetModule, NetLinx Control Cards operate directly on the high-speed ICSNet data bus.



netlinx[®] control cards and net modules

DUAL COM PORTS, RS-232/422/485

- Provides 2 RS-232/422/485 data control ports and front-panel feedback

OPERATION

DATA 1-2
2 RS-232/422/485 control ports, supports XON/XOFF, CTS/RTS, 300–115,200 baud

STATUS

2 LEDs for each channel Red LED for data TX, RTS Yellow LED for data RX, CTS Green ICSP status LED

WIRING

3.5mm captive-screw terminals

MODELS

NXC-COM2 Dual COM Port Card
NXM-COM2 Dual COM Port NetModule

HOUSING

- NXF NetLinX CardFrame
- NXS-NMS NetModule Shell

ANALOG VOLTAGE, 4 ANALOG I/O CHANNELS

- Provides 4 analog Input/Output channels and front-panel LED feedback
- Drives internal voltage or accepts external Input/Output DC voltages

OPERATION

INPUTS 1-4
0 to +12 VDC, ref. to power supply GND

OUTPUTS

1-4: -12 to +12 VDC, 60ma ref. to power supply GND

FEEDBACK

4 Red LEDs for channel Out, 4 Yellow LEDs for channel In Green ICSP status LED

JUMPERS

Select output type: Single-ended bipolar and external reference

RESOLUTION

10-bit A/D, 1024 steps

WIRING

3.5mm captive-screw terminals

MODELS

NXC-VAI4 Analog I/O 4 Card

HOUSING

- NXF NetLinX CardFrame
- NXS-NMS NetModule Shell

4-PORT IR/S, 4 IR PORTS AND 4 I/O PORTS

- Provides 4 IR/Serial control ports and front-panel status feedback
- Includes 4 inputs for sensed IR power control

OPERATION

IR 1-4
4 IR/IR Serial control ports 20 KHz-1.14 MHz

INPUT 1-4

4 I/O ports for closure or 0–5 VDC sensing, 200 mA

POWER

+12 VDC power for sensors

STATUS 1-10

2 LEDs for each channel, Red LED for IR transmission, Yellow LED for input status, Green ICSP status LED

WIRING

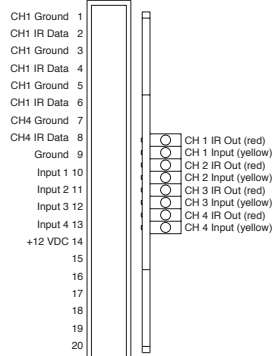
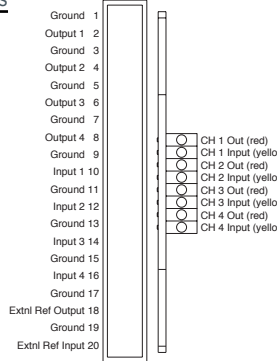
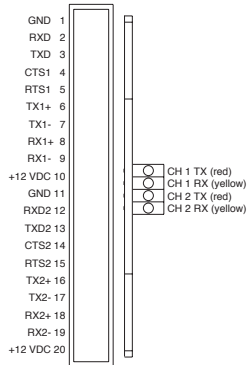
3.5mm captive-screw terminals

MODELS

NXC-IRS4 4-Port IR/S Card

HOUSING

- NXF NetLinX CardFrame
- NXS-NMS NetModule Shell



RELAY 10, 10 RELAYS

- Provides 10 isolated relays and front-panel LED feedback

OPERATION

RELAY 1-10
10 relays, 750 mA, 28 VAC/24 VDC normally open

STATUS 1-10

1 LED for each relay, Red LED shows on status, Green ICSP status LED

WIRING

3.5mm captive-screw terminals

MODELS

NXC-REL10 Relay 10 Card

HOUSING

- NXF NetLinX CardFrame
- NXS-NMS NetModule Shell

VOLUME, 4 AUDIO CHANNELS

- Provides 4 channels of audio attenuation
- 100 db of volume control

OPERATION

- Inputs: 1-4, balanced or unbalanced audio
- Outputs: 1-4, balanced audio
- Status: 3 LEDs for each channel
Yellow LED for raise volume
Yellow LED for lower volume
Red LED for muting volume
- Wiring: 3.5 mm captive-screw terminals

MODELS

NXC-VOL4 Volume Card

HOUSING

- NXF NetLinX CardFrame
- NXS-NMS NetModule Shell

INPUT 10, 10 INPUT/OUTPUT CHANNELS

- Provides 10 Input/Output control channels and front-panel feedback
- Acts as logic-level switch or input, senses high and low voltage states in voltage mode

OPERATION

I/O
10 I/O channels

STATUS

1 LED for each channel, Yellow LED for on status, Green ICSP status LED

WIRING

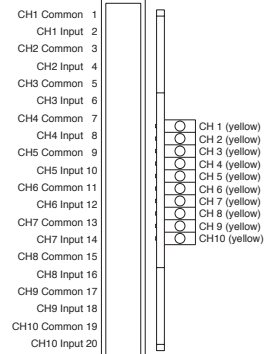
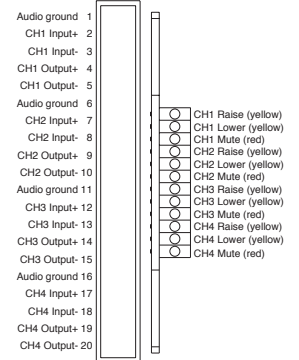
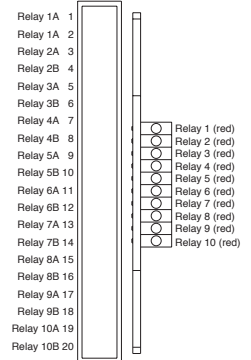
3.5mm captive-screw terminals

MODELS

NXC-I/O10 Input 10 Card

HOUSING

- NXF NetLinX CardFrame
- NXS-NMS NetModule Shell



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