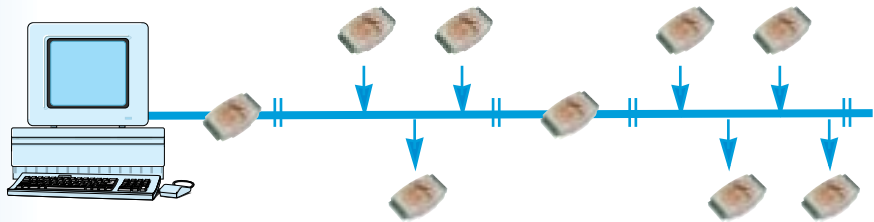


Remote I/O Modules

Overview

ADLINK Intelligent Remote Data Acquisition & Control Modules (NuDAM) are designed for data acquisition systems based on PCs and other processors based equipment with standard serial I/O ports (RS-232 or RS-485 with auto-direction control). The modules convert I/O signals to engineering units and transmit/receive, in ASCII format, to/from any host computer with an RS-232 or RS-485 port.

The NuDAM modules are the key components in flexible and cost effective remote data acquisition and control systems.



NDP-243, NDP-243U

Panel Mounting Power Supply

- Input Voltage
 - NDP243: 85-132 V_{AC} or 170-264 V_{AC}, switchable
 - NDP-243U: 90-264 V_{AC}
- Input Frequency: 47-63 Hz
- Input Current: 1.4 A (max.)
- Short Protection
- Output Voltage
 - NDP-243: +24 V_{DC} ±10%
 - NDP-243U: +24 V_{DC} 1 A, +12 V_{DC} 1 A, +5 V_{DC} 3 A
- Output Current: 3 A (max.)
- Overload Protection

NDP-243



NDP-243U



ND-6531

Configurable Communication Controller

- Protocol (DIP switch selectable)
 - RS-232 (5-wire: RXD, TXD, RTS, CTS, GND)
 - RS-422 (4-wire: TX+, TX-, RX+, RX-)
 - RS-485 (2-wire: Data+, Data-)
- Speed: 1200 ~ 115200 bps (RS-232 and RS-422/485 can set to different baud rate)
- Convert RS-422/485 to RS-232 with configurable address



ND-6510

RS-422/RS-485 Repeater

- Input
 - RS-422 (4-wire, full-duplex)
 - RS-485 (2-wire, half-duplex) protocol
- Output
 - RS-422 (4-wire, full-duplex)
 - RS-485 (2-wire, half-duplex) protocol
- Speed: 115.2k, 57.6k, 38.4k, 19.2k, 9600, 4800, 2400, 1200, 600, 300
- Auto baud rate and data format adjustment
- Isolation Voltage: 2500 V_{RMS}



ND-6013

3-CH RTD Input Module

- Channels: 3
- Input Type: Pt-100, Ni-100 or Ni-120 RTD
- Isolation Voltage: 2500 V_{RMS}
- Sampling Rate: 10 Samples / sec
- Input Wiring: 2, 3 or 4 wires



ND-6520

RS-232 to RS-422/485 Converter

- Protocol
 - RS-422 (4-wire, full-duplex)
 - RS-485 (2-wire, half-duplex) protocol
- Speed: 115.2k, 38.4k, 19.2k, 9600, 4800, 2400, 1200, 600, 300
- Auto baud rate and data format adjustment
- Isolation Voltage: 2500 V_{RMS}
- Repeater request: Over 128 modules or distance over 4000 feet



ND-6017

8-CH Analog Input Module

- Channels: 6 Differential & 2 Single-ended
- Input Type: mV, V and mA
- Input Range:
 - ±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V
- Current Range: ±20 mA
- Isolation Voltage: 2500 V_{RMS}



ND-6530

USB to RS-422/RS-485 Converter

- Protocol (DIP switch selectable)
 - RS-232 (5-wire: RXD, TXD, RTS, CTS, GND)
 - RS-422 (4-wire: TX+, TX-, RX+, RX-)
 - RS-485 (2-wire: Data+, Data-)
- Speed: 300~115.2k bps
- Isolation Voltage: 2500 V_{RMS}
- Fully USB compliant
- Repeater request: Over 128 modules or distance over 4000 feet



ND-6018

8-CH Thermocouple Input Module

- Channels: 6 Differential & 2 Single-ended
- Input Type: Thermocouple, mV, V and mA
- Thermocouple Type: J, K, T, E, R, S, B, N, C
- Voltage Range:
 - ±15 mV, ±50 mV, ±100 mV, ±500 mV, ±1 V, ±2.5 V
- Current Range: ±20 mA
- Isolation Voltage: 2500 V_{RMS}



1 Software Solutions

2 PXI/CompactPCI Platforms

3 PXI-Based Instruments

4 PXI/CompactPCI Modules

5 PCI DAQ Cards

6 PCI DIO Cards

7 PC/104-Plus Products

8 ISA DAS/DIO Cards

9 Wiring Termination Boards

10 Motion Control Cards

11 Machine Vision Products

12 Remote I/O Modules