

Converter Modules

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
- **Speeds:** 115.2 k, 57.6 k, 38.4 k, 19.2 k, 9600, 4800, 2400, 1200
- **Auto baud rate and data format adjustment**
- **Isolation Voltage:** 2500 V_{RMS}
- **Surge protector on communications signals**
- **Connector:** Plug-in screw terminal block
- **Power Consumption:** 1.104 W typical

ND-6520

RS-232 to RS-422/RS-485 Converter



- **Protocol**
 - RS-422 (4-wire, full-duplex)
 - RS-485 (2-wire, half-duplex) protocol
- **Speeds:** 115.2 k, 38.4 k, 19.2 k, 9600, 4800, 2400, 1200
- **Auto baud rate and data format adjustment**
- **Isolation Side:** RS-232 signal (TXD, RXD, GND)
- **Isolation Voltage:** 2500 V_{rms}
- **Surge protector on RS-422/RS-485 communications signals**
- **Repeater Request:** Over 128 modules or distance over 4000 feet
- **Connector:** Female DB-9 and plug-in screw terminal block
- **Power Consumption:** 0.912 W typical

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-)
- **Speeds:** 1200 to 115.2 kbps
- **Isolation Voltage:** 2500 V_{RMS}
- **USB 1.1 compliant**
- **Repeater Request:** Over 128 modules or distance over 4000 feet
- **Power Consumption:** 0.795 W typical

ND-6531

Configurable Communications Controller



- **Protocol**
 - 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 to 115200 bps (RS-232 and RS-422/RS-485 can be set to different baud rate)
- **Convert RS-422/RS-485 to RS-232 with configurable address**
- **Isolation Voltage:** 1000 V_{dc}
- **Surge protector on communications signals**
- **Repeater Request:** Over 128 modules or 4,000 feet
- **Connector:** Female DB-9 and plug-in screw terminal block
- **Power Consumption:** 1.008 W typical

NDP-243, NDP-243U2

Panel Mounting Power Supply



NDP-243U2



NDP-243

- **Input Voltage**
 - NDP243: 85 to 132 V_{ac} or 170-264 V_{ac}, switchable
 - NDP-243U: 90-264 V_{ac}
- **Input Frequency:** 47 to 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
 - Dimensions: 5" (L) x 3.8" (W) x 1.6" (H)
- **Operating Temperature:** 0°C to +50°C