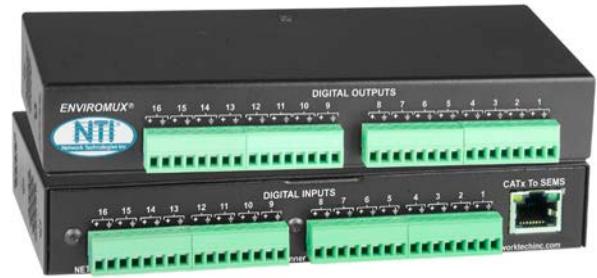


# Digital Input/Output Expander (Open-Collector Outputs)

ENVIROMUX®

- Adds 16 digital inputs and 16 digital open-collector outputs to the E-2D/5D/16D
  - Interfaces with the E-2D/5D/16D via the RJ45 Sensor Port
- Digital inputs:
  - 16 screw terminal pairs for connecting dry contact devices
    - ◆ One screw terminal pair for tachometer; 0 to 255 Hz
  - Accepts 26 to 16AWG wire
  - Potential free
  - Voltage range: 0 to +36VDC
  - Over-voltage surge protected
- Digital outputs:
  - 16 screw terminal pairs for open-collector outputs
  - Accepts 26 to 16AWG wire
  - Rated sink current: 500 mA per output
  - +5VDC, 22kΩ pull-ups
  - Voltage range: 0 to +24VDC
  - Over-voltage surge protected
- Supports CAT5/5e/6 cable up to 500 ft. (152.4 m)
- Control via SNMP:
  - Requires read-write community configuration.
  - Digital inputs are fixed values (not writable) while open-collector outputs are writable.
  - Locate OIDs using a MIB browser.
- Powered by E-2D/5D/16D.
- Compatible with E-2D/5D/16D.
- Optional DIN mounting available.
- Dimensions WxDxH: 6.49x3.10x1.08 in (165x79x27 mm)
- Regulatory approvals: RoHS
- Operating temperature: 32 to 158°F (0 to 70°C)
- Storage temperature: -4 to 176°F (0 to 70°C)
- Compatible with E-FSC Fiber Converter/Extender.
  - Use to extend sensor up to 1.2 miles (2 km) from the ENVIROMUX unit.



**E-DI16DO16  
(Front & Back)**

## Digital Input/Output Expander (Open-Collector Outputs) Models

NTI Part #	Description
E-DI16DO16	Digital Input/Output Expander, Open-Collector Outputs
E-DI16DO16-D	Digital Input/Output Expander, Open-Collector Outputs, DIN Mount

# Digital Input/Output Expander (Normally-Open Relay Contact Outputs)

ENVIROMUX®

- Adds 16 digital inputs and 16 digital normally-open relay contact outputs to the E-2D/5D/16D
  - Interfaces with the E-2D/5D/16D via the RJ45 Sensor Port
- Digital inputs:
  - 16 screw terminal pairs for connecting dry contact devices
    - ◆ One screw terminal pair for tachometer; 0 to 255 Hz
  - Accepts 26 to 16AWG wire
  - Potential free
  - Voltage range: 0 to +36VDC
  - Over-voltage surge protected
- Digital outputs:
  - 16 screw terminal pairs for normally-open relay contact outputs
  - Accepts 26 to 16AWG wire
  - Potential free
  - Rated switching load: 0.5A @ 125VAC, 1A @ ±30VDC, 0.5A @ ±48VDC.
  - Galvanic isolation: 1kV
  - Fused
- Supports CAT5/5e/6 cable up to 500 ft. (152.4 m)
- Control via SNMP:
  - Requires read-write community configuration.
  - Digital inputs are fixed values (not writable) while output relays are writable.
  - Locate OIDS using a MIB browser.
- Includes 5V/3A power supply.
- Current consumption: 75mA @ 5VDC
- Compatible with E-2D/5D/16D.
- Available options: desktop unit with wall mounting brackets, DIN mount unit, 1RU rackmount unit, dual side-by-side rackmount units in 1RU.
- Dimensions WxDxH:
  - E-DI16DOR16-V2 (desktop): 6.49x3.15x1.71 in (165x80x44 mm)
  - E-DI16DOR16-V2R (1RU rackmount) and E-DI16DOR16-V22R (1RU dual side-by-side rackmount): 19x3.15x1.71 in (486x80x44 mm)
- Regulatory approvals: RoHS
- MTBF: 650,166 hrs
- Operating temperature: 32 to 158°F (0 to 70°C)
- Storage temperature: -4 to 176°F (0 to 70°C)
- Compatible with E-FSC Fiber Converter/Extender.
  - Use to extend sensor up to 1.2 miles (2 km) from the ENVIROMUX unit.



**E-DI16DOR16-V2**

## Digital Input/Output Expander (Normally-Open Relay Contact Outputs) Models

NTI Part #	Description
E-DI16DOR16-V2	Digital Input/Output Expander, Normally-Open Relay Contact Outputs, Desktop
E-DI16DOR16-V2-D	Digital Input/Output Expander, Normally-Open Relay Contact Outputs, DIN Mount
E-DI16DOR16-V2R	Digital Input/Output Expander, Normally-Open Relay Contact Outputs, 1RU Rackmount
E-DI16DOR16-V22R	Digital Input/Output Expander, Normally-Open Relay Contact Outputs, 1RU Dual Side-by-Side Rackmount