NTI E-DI16DO16 Digital Input/Output Expander (Open-Collector Outputs)

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The E-DI16DO(R)16 Digital Input/Output Expander enables the connection of up to 16 additional digital sensors and output devices using just one RJ45 Sensor port on an E-2D, E-5D, or E-16D Server Environment Monitoring System (SYSTEM). The E-DI16DO16 includes digital outputs with an open-collector design for the control of up to 16 relays, solenoids, LEDs, and other devices that operate at voltages between 0-24VDC (maximum 500mA). The E-DI16DOR16 includes digital outputs with a normally-open SPST relay design for the control of up to 16 different devices that operate at a maximum125VAC (0.5A maximum) or maximum 30VDC (1.0A maximum).

Features:

- 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.
- 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.