Multi-function Data Acquisition

**MIO-8288**

**Industrial Multi-function DAQ**

- **Functions**
  - A/D, D/A, DIO
- **A/D Channels**
  - Up to 8 Single ended (4 differential) 14-bit A/D analog inputs with 4-20mA conversion switches
  - 2 Single ended 12-bit D/A Analog Outputs
  - 6-40Vdc Power I/P range (with LED status indicators)
  - 1x RS232 port (with LED status indicators)
  - 1x RS485 full-duplex port (with LED status indicators)
  - 1x 10/100Mbs Ethernet port (with LED status indicators)
  - 1x USB 2.0 full-speed Port (slave)
  - Process “Run” Status LED indicator
- **D/A Channels**
  - 2
- **D/A Resolution**
  - 12-bit
- **D/A Output Range**
  - ±10V
- **DIO Channels**
  - 8x DPST Relays (380W dc/ 2500VA ac)
  - 8x Opto-Isolated I/Ps (with LED status indicators)
- **Connectors**
  - 8x (TTL) Inputs
  - 8x (TTL) Outputs
  - (2.54mm Pitch) Headers for Analog (2x8 pins); Digital (2x10 pins) & Expansion Bus (2x5 pins)
- **Power consumption**: 600mA (nominal)
- **Size (mm)**: 162(L) x 107(W) x 58(H)

**Practical Applications:**
- CCTV - Camera Control; Access Control; Proximity Monitoring
- Process Control - Data logging of Analog & Digital Signals

**Model** | MIO-8288 (full-house version) | MIO-8288 (OEM version)
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**Functions** | A/D, D/A, DIO | A/D, D/A, DIO
**A/D Channels** | 8 SE or 4 DIFF | 8 SE or 4 DIFF
**A/D Resolution** | 14-bit | 14-bit
**A/D Sampling Rate** | Polled I/O Only | Polled I/O Only
**Bipolar A/D Range** | ±10V (4-20mA switch selectable) | ±10V
**D/A Channels** | 2 | 2
**D/A Resolution** | 12-bit | 12-bit
**D/A Output Range** | ±10V | ±10V
**DIO Channels** | 8x DPST Relays (380W dc/ 2500VA ac) | 8x (TTL) Inputs
  - 8x Opto-Isolated I/P up to 30Vdc (4x are dedicated Interrupts)
**Connectors** | Plugin Screw Terminals for Power; RS485; Analog I/Ps; Analog O/Ps; Relay O/Ps & Opto-Isolated I/Ps; DB9M RS232 Connector; Type B USB Connector; RJ45 Ethernet Connector; Expansion Bus Header Socket; SD Memory Card Slot | Plugin Screw Terminals for Power & RS485
  - DB9M RS232 Connector; Type B USB Connector; RJ45 Ethernet Connector (2.5mm Pitch) Headers for Analog (2x8 pins); Digital (2x10 pins) & Expansion Bus (2x5 pins)
**Power consumption**: | 600mA (nominal) | 200mA (nominal)
**Size (mm)**: | 162(L) x 107(W) x 58(H) | 162(L) x 107(W) x 20(H)

**Software Support**

[Images and diagrams of the device are shown, along with technical specifications and practical applications.]