

Multi-function Data Acquisition

MIO-8288

Industrial Multi-function DAQ



- Up to 8 Single ended (4 differential) 14-bit A/D analog inputs with 4-20mA conversion switches
- 2 Single ended 12bit D/A Analog Outputs
- 8 x DPST Relays (with LED status indicators)
- 8 x Opto-Isolated I/Ps (with LED status indicators)
- 8-40Vdc Power I/P range (with LED status indicators)
- 1 x RS232 port (with LED status indicators)
- 1 x RS485 full-duplex port (with LED status indicators)
- 1 x USB 2.0 full-speed Port (slave)
- Process "Run" Status LED indicator
- 1x SD Card for data logging (up to 2GB)
- 1x Expansion Module Bus (carries power and TWI)
- Removable Screw Terminal blocks supplied
- Modbus & Fieldbus supported
- DIN Rail Mountable powder-coated aluminium enclosure
- DIN Rail Mounting Fixture (optional)
- OEM Version available on special request



Left-Side
Analog I/P Voltage to 4-20mA conversion switches



Right-Side
Expansion Module Bus carries power and two-wire interface (TWI)

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) |
|--------------------|--|---|
| 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 Opto-Isolated I/P up to 30Vdc (4x are dedicated Interrupts) | 8x (TTL) Inputs 8x (TTL) Outputs |
| 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 (2.54mm Pitch) Headers for Analog (2x8 pins); Digital (2x10 pins) & Expansion Bus (2x5 pins) SD Memory Card Slot |
| 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

