

IDT UNIVERSAL IO UNIT

PRODUCT OVERVIEW

The IDT Universal IO Unit (IDT-UIO) is a robust General Purpose Input / Output unit designed to make RFID hardware integration EASY!

Easy RFID hardware integration

Jumper configurable for various RFID hardware (including the Impinj Speedway Revolution reader).

Compact design

Easily mounted in a variety of customised housing / mounting solutions.

Multiple Inputs / Outputs

Includes 8 opto isolated inputs as well as 4 relay isolated outputs all with LED status indicators.

Safety features

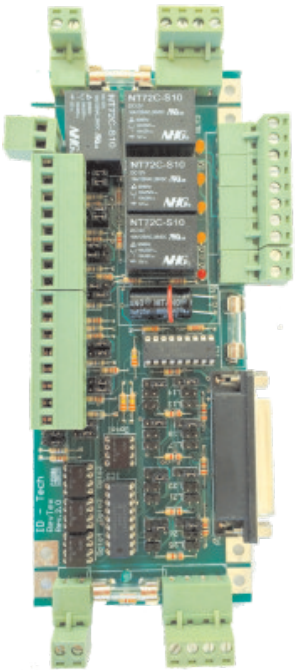
Built in fuse and power status LED and fused output protection circuits for safe output switching.

Easy repair

Manufactured using thru-hole technology.

As a base unit, the IDT-UIO is jumper configurable for various RFID hardware (including the Impinj Speedway Revolution reader). Due to its compact design, the IDT-UIO can be easily mounted in a variety of customised housing / mounting solutions. The unit includes 8 opto isolated inputs as well as 4 relay isolated outputs all with LED status indicators. The 4 relay outputs will switch up to 10A/125 VAC, with relay status NO/NC set via jumper link's. This unit has a built in fuse and power status LED for 12V power supply and two fused output protection circuits for safe output switching. These circuits can be easily removed should they not be required.

This unit is manufactured using thru-hole technology for easy repair and maintenance.



KEY FEATURES

- Jumper configurable PCB for RFID hardware (including the Impinj Speedway Revolution reader)
- 8 opto isolated inputs with LED status indicators (selectable for 12V/10mA, 5V/10mA or dry contact interruptible)
- 4 relay isolated outputs with LED status indicators that will switch up to 10A/125 Vac (relay status is NO / NC configurable via jumper links)
- Built in fuse and LED power status indicator (replacable) for 12V power supply
- Two fused output protection circuits with LED status indicators for 24V AC / DC (for device protection on output switching)
- Easy repair with thru-hole technology

TECHNICAL SPECIFICATIONS

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|-----------------------|---|
| Model Name | IDT Universal IO Unit |
| Model Number | IDT - UIO |
| Mounting | May be secured with 4 x 3.5mm mounting holes using 3mm screws |
| Dimensions | 250 x 70 x 30 mm |
| Weight | 200g |
| Power Supply | 12V DC / 500mA |
| Current Requirements | 315mA |
| Operating Temperature | 32° F to 113° F (0° C to 45° C) |
| Operating Humidity | 5% to 95% relative humidity non-condensing |
| Environmental | Indoor only |
| Device Compatibility | Impinj Speedway Revolution R420 / R220 |
| Certifications | Manufacturer Certification |
| Warranty | Warrantied for defects in materials and workmanship for one year. |