

IA-2662-Ui

Isolated USB
96 Digital TTL/LVTTL
Pluggable Screw Terminals

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Introduction

The IA-2662-Ui is an Isolated USB port Digital I/O Controller with 96 TTL/LVTTL Channels, and Pluggable Screw Terminals for easy wiring and testing.

The IA-2662-Ui Digital Outputs are capable of sinking or sourcing 24mA at its 'T' version, while at 'N' version they are capable of sinking 300mA on each output, 70mA while all outputs on.

The IA-2662-Ui is capable of handling both Positive and Negative Logic Input signals, while the input pull-ups might be switched to Positive or GND in order to fit customers sourcing circuit. Input protection circuits enable secure operation on a wide voltage range of over +/- 30Volts.

The IA-2662-Ui internal circuits may be operated on 5V supply or 3.3V supply in order to best fit customer's needs. Both supplies are on board, ready to run.

The on board Pluggable Screw Terminal blocks includes 8 signal bits each, providing an easy wiring, easy rewiring, easy interchanging and most efficient space management without the need for additional wiring boards.

The IA-2662-Ui software support includes DOT.net library, open source examples and software utilities for fast system implementation.

Features

- Isolated USB port
- 96 Digital I/O channels
- TTL/LVTTL/24V signal handling
- High current output
- "Dry-Contact" Inputs
- Positive/Negative Logic
- Selectable Input pull-ups source
- Onboard watchdog protection
- High noise immunity
- Pluggable terminal blocks
- Din-Rail mounting ready

Specifications

Communication Port

COM version	Isolated USB
COM Speed	1200-240K BR
Default BR	19200, 8, n, 1

Digital Output

Channels	48
Rated Current	'N' Suffix: -300mA , Sink -70mA, Sink, All outputs ON 'T' Suffix: +/-24mA 'R' Suffix: Resistor limited
Rated Voltage	'N' Suffix: 0 – 32VDC 'T' Suffix: 3.3V / 5V

Digital Inputs

Channels	48
Input Voltage Range	3.3V / 5V / 32VDC
Pull-up Resistor	22K OHM
Pull-up Source	+5V / GND / External

General

Supply Voltage	24VDC
Supply Current	0.5Amp max.
Module Size	170x115x45 mm
Weight	300gr

Ordering Information

IA-2662-UiN	96-ch Digital I/O USB, -300mA , Sink
IA-2662-UiT	96-ch Digital I/O USB, TTL Output.
IA-2662-UiR	96-ch Digital I/O USB, Resistive Output.