

Dual Wiegand Interface

TS1061



Overview

The Dual Wiegand Interface is a module which allows Wiegand technology readers to be connected to a ChallengerPlus or Network Access Controller system.

This module also provides inputs and outputs to be used for door functions such as, connecting door sensors, warning devices and controlling locks. The interface is connected by an RS-485 LAN allowing it to operate either close to the control equipment, or out in the field where it is needed, and provides a tamper input which can be connected to an enclosure tamper switch.

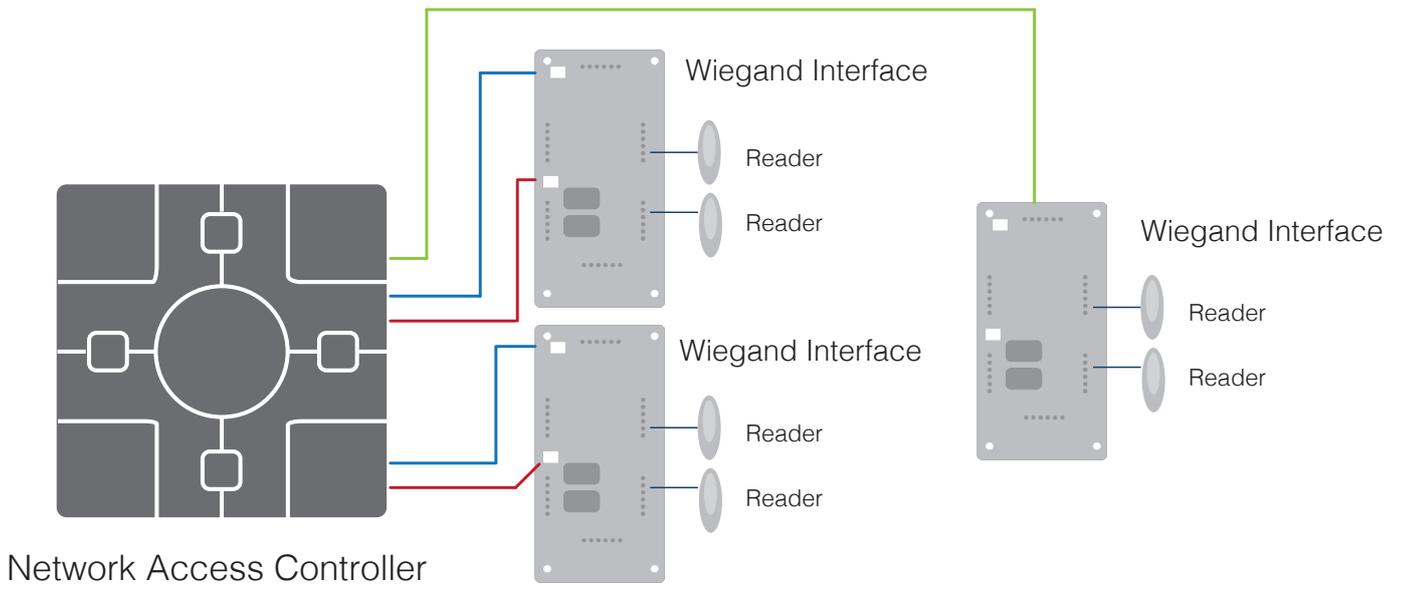
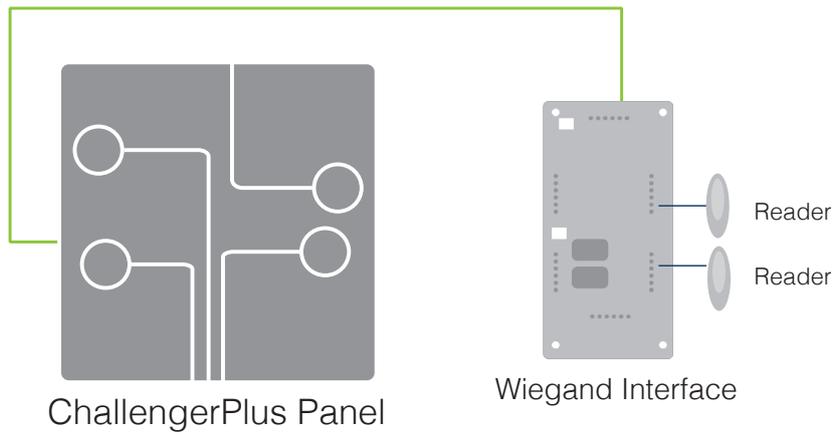
The Dual Wiegand Interface provides two dedicated relays to control door locks, door open too long (DOTL) sounders or any other type of output. It can be powered or non-powered, and has inputs which can be used for door sensors, request-to-exit (RTE) inputs, or any other type of input.

On-board LEDs indicate the device is operating correctly, plus the status of communications between the Dual Wiegand Interface and the connected control panel.

Features

- Remote flash firmware upgradeable
- Support for multiple end-of-line (EOL) resistor values
- Plug-on connectors for RS-485 bus and Network Access Controller lock power for easy wiring
- Tamper connector
- Two relays
- Four inputs
- Two Wiegand interfaces

System Block Diagram



- RS-485 System LAN
- RS-485 BUS1 Jumper Lead
- 12v Lock Power

Specifications

Electrical	
Power Supply	11 to 14 VDC from RS-485 data bus or from external 12 VDC supply
Current consumption	80mA
Features	
Inputs	4
Relay Outputs	2
Wiegand Interfaces	2
RS-485 Bus	1
Tamper	1
Physical & Environmental	
Operating Temperature	0 - 50°C
Dimensions (W x H x D)	128 x 78 x 21 mm
Weight	225g
Maximum distance (from ChallengerPlus or Network Access Controller)	Maximum cable length of 1,500m
Total number of Dual Wiegand interfaces	
ChallengerPlus Bus 1	12
ChallengerPlus Bus 2	12
TS1066 Bus 1	15
TS1066 Bus 2	16

How to upgrade firmware

Firmware upgrades for the Dual Wiegand Interface are managed via CTPlus (installer software).

You will need to download CTPlus to ensure you have the latest version of firmware, keeping your system working at its optimum level at all times.

You can download CTPlus from the Aritech website at www.firesecurityproducts.com.au/downloads.

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Ordering Information

Interface	
TS1061	Dual Wiegand Interface, 2 relay outputs, 4 relay inputs
Compatible Devices	
TS1066	Network Access Controller
TS-CHPLUS	ChallengerPlus Control Panel
Accessories	
TS1066P	Network Access Controller adaptor plate (for retrofit into existing TS0867 enclosure)



TS1066P Adaptor Plate



Specifications subject to change without notice.
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