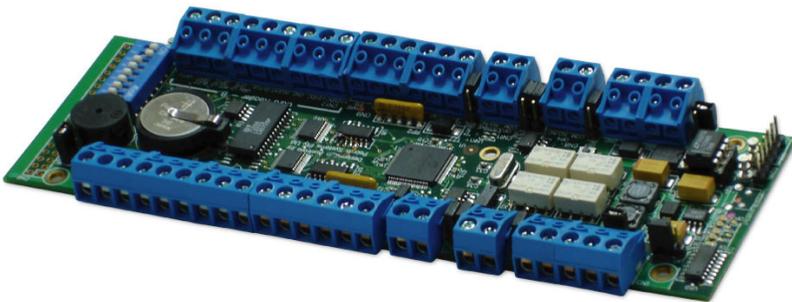




## DATASHEET

### PACOM – 1076 TWO DOOR CONTROLLER



#### FEATURES

- ▶ Supports two independent card readers/doors
- ▶ Supports Wiegand and magnetic stripe access cards
- ▶ Four supervised alarm inputs per door
- ▶ Independent door strike outputs
- ▶ Internal offline memory for redundancy operation
- ▶ Remotely upgradable firmware
- ▶ Software controlled interlocking
- ▶ Buzzer
- ▶ Card reader LED support
- ▶ Memory battery monitoring
- ▶ Tamper detection

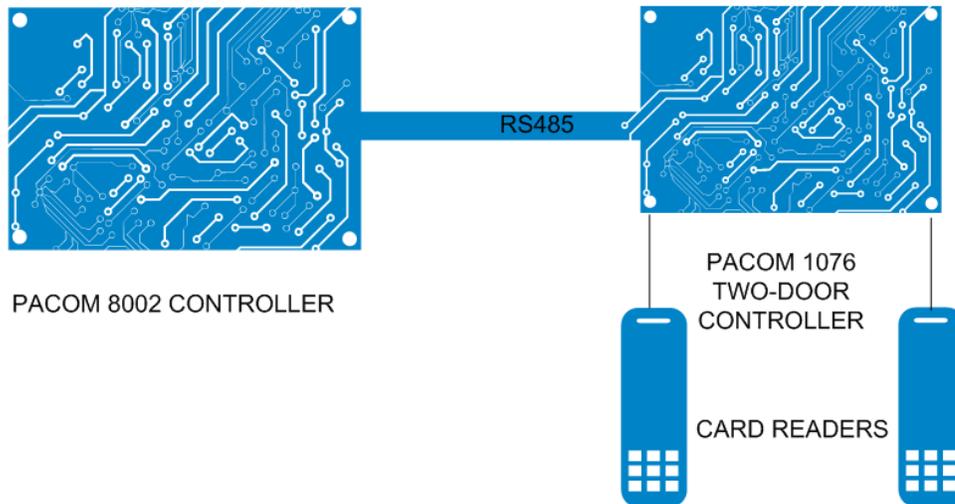
#### OVERVIEW

The PACOM 1076 two-door controller is a dual card reader access control interface designed specifically to operate with PACOM controllers and security management software. It also provides redundancy operation (“degraded mode” operation) should the door controller become offline to the system in that it either stores the last used access cards or is programmed to allow access based on access card facility code only.

The 1076 provides a hard-wired interface connection for two independent access control devices using standard Wiegand or magnetic stripe formats. Reliable, robust and flexible dual door control with integrated offline capabilities.

Each reader port provides four end-of-line (EOL) supervised inputs (door status, egress, strike monitor and one spare), and two relay outputs. The 1076 communicates via multi-drop RS485 port to various PACOM controllers. The number of PACOM 1076 modules that can be connected depends upon the capacity and configuration of the PACOM controller.

# ARCHITECTURE



# TECHNICAL SPECIFICATIONS

<p><b>SUPPORTED CARD RANGE</b></p> <p>Wiegand 64-bit cards from 0 (zero) to 4,294,967,295.)</p> <p><b>INPUTS</b></p> <p>Four supervised inputs which can be used for door status (door forced, door held), egress, spare input 1/strike monitor and spare input 2 (spare inputs are programmable and can be used for general purpose (intrusion) operation).</p> <p><b>OUTPUTS</b></p> <p>Two relays (1A @ 30VDC), two open-collector outputs (100mA @ 30VDC) - can be used to activate the on-board buzzer (outputs are programmable and can be used for general purpose operation).</p>	<p><b>OFFLINE INTELLIGENCE</b></p> <p>Up to eight access card facility codes can be programmed to provide access to matching cards or the last 1000 cards used on the readers can be stored for redundancy operation. This activates if the keypad loses RS485 communications with the controller.</p> <p><b>CARD/MULTI-CARD FORMAT</b></p> <p>Magstripe Track 2, Wiegand 26-bit and Generic Wiegand, Multicard format.</p> <p>Multi-card format enables support for up to five different Wiegand card formats simultaneously. One format must be 26-bit standard, however, the remaining four can be customized and include up to three parity bits.</p> <p><b>SUPPORTED CARD READERS/KEYPADS</b></p> <p>Matrix keypad, Microprox reader/keypad, Mercury MR20 reader/ keypad (Magstripe and Wiegand interfaces), Standard Magstripe, Standard Magstripe (Wiegand interface), Mosler Magstripe, Standard Wiegand, Wiegand keypad, HID Wiegand insert reader, HID Wiegand key reader, HID Wiegand reader/ keypad, Multi-format</p>	<p><b>APPROVALS</b></p> <p>RoHS, Radiation: AS/NZS CISPR22 Class A, EN55022 Class A, FCC Part 15. Immunity: EN50130-4 + A1/A2, EN61000-3-2, EN61000-3-3 + A1/A2. Safety: EN60950-1, AS/NZS 60950.1 + A1.</p> <p><b>DIMENSIONS</b></p> <p>174 x 55mm (6.9 x 2.1")</p> <p>[Enclosure 110 x 135 x 45mm (4.3 x 5.3 x 7.7")]</p> <p><b>WEIGHT</b></p> <p>180g (6.4oz)</p> <p>[Enclosure 1.5kg (3.3lb)]</p> <p><b>COMMUNICATION</b></p> <p>Two-wire RS485</p> <p><b>POWER INPUT</b></p> <p>12VDC ±15%</p> <p><b>POWER CONSUMPTION</b></p> <p>66mA @ 12VDC (typical; no devices attached).</p> <p><b>POWER OUTPUT</b></p> <p>12VDC ±5%, 80mA max</p> <p><b>STATUS INDICATORS</b></p> <p>LEDs: RS485 comms, power, and door strike status</p> <p><b>ENVIRONMENT</b></p> <p>-10 to 55°C (14 to 131°F), 0 to 93% ±2% relative humidity (non-condensing).</p>
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# ORDERING INFORMATION

PART NUMBER	TYPE CODE	DESCRIPTION
300 062 001	1076R-001	1076 Intelligent Two-door controller (PCB Only).
400 050 010	1076ENC	1076 two-door controller with enclosure including wall tear-off and lid open tamper contacts. Not available in Americas.
400 050 007	1076ENC-CON	1076 Two-Door Card Reader Interface with enclosure including 24 to 12 VDC converter, wall tear-off and lid open tamper contacts. Not available in Americas
300 062 006	1076R-001-UL	1076 two-door controller (PCB only). Available in Americas only.