

ProxPoint® Plus OEM Module

HID 125 KHz Proximity Embeddable Module • 4065B/4068B

- ▶ Full Reader Capabilities – Easily embedded in a variety of applications
- ▶ Open, Flexible Interface – Wiegand and Clock-and-Data output models
- ▶ Easy Integration – Simple mounting for fast installation



ACCESS experience.

The HID ProxPoint® Plus OEM Module is a full-featured HID Proximity reader board that provides access to the industry's largest 125 kHz contactless card population. Ideal for OEM application developers who need to interface to HID proximity cards to implement third-party applications, ProxPoint Plus is HID Global's first proximity OEM Module that can come fully equipped with beeper, LED and stock antenna to deliver full reader functionality. Simple interface and installation allows OEM applications access to all HID proximity card formats, including both short and long card formats.

The ProxPoint Plus OEM Module provides a full reader solution, which can easily be integrated into any third-party application product such as cashless vending, biometrics, time and attendance, alarm system, HVAC or process control, and point-of-sale terminals. ProxPoint Plus can also be customized with other custom configurations. The ProxPoint Plus OEM module minimizes development integration efforts, allowing for a quick-to-market HID-enabled solution.

Enabling HID Proximity for third-party applications is simple. By monitoring Wiegand or Clock-and-Data lines, the ProxPoint Plus OEM Module identifies application users by sending unique card number information to the host. Using this unique information, the host can positively identify the cardholder and complete the transaction.

Key Features

- Flexible Power Requirements – With on board power regulation, ProxPoint Plus OEM Module accepts between +4.75 and +16 VDC power.
- Small Board Size – Requires a minimal footprint inside a third-party product—only 2.3" x 1.4" (5.84 cm x 3.56 cm).
- Extra Security – Recognizes card formats up to 85 bits, with over 137 billion unique codes.
- External Interface – With outputs in either Wiegand or Clock-and-Data protocols, behavior can be controlled by numerous input lines including beeper, multicolor LED, card present, and hold lines.

Features

Specifications

Card Compatibility

Reads all HID Proximity cards, including all HID short and long formats, as well as Corporate 1000 card formats.

Antenna Design

HID will assist the OEM with antenna design for specific application environment

Transient Surge and Reverse Voltage Protection

On-board transient surge and reverse voltage protection makes it easy for the application developer to plug into pre-existing DC power.

Low Current Consumption

On average, ProxPoint® Plus consumes 35mA, while consuming only 100mA during a card read.

Options

With or without beeper
With or without stock antenna
Wiegand or Clock-and-Data output
Numerous beeper and LED configurations
(Please see "How to Order Guide" for a description of ordering options)

Model Numbers	Wiegand Base Part Number: 4065BAB00 (beeper and LED) Clock-and-Data Base Part Number: 4068BAB00 (beeper and LED)
Read Range*	Typical 3" with ProxCard II on non-metallic mounting
Mounting	Four notches on the edges of the circuit card – one near each corner Also 0.385" hole in the center of the circuit board Mounting holes may not be drilled through the circuit board.
Dimensions	2.3" x 1.4" x 0.31" (5.84 cm x 3.56 cm x .79 cm)
Power Supply	4.75 VDC - 16 VDC (Linear recommended)
Current Requirements	35mA Nominal, 100mA Peak
Transient Protection	8,000 volts
Reverse Voltage Protection	Yes
Operating Temperature	-30° to 150° F (-35° to 65° C)
Operating Humidity	5-95% non-condensing
Transmit Frequency	125 kHz
Cable Distance	Wiegand or Clock-and-Data Interface: 500 ft (150 m) 22 AWG
Card Compatibility	All 125 kHz HID Proximity Cards
Read and Report Speed	275ms (26 bit Wiegand card)
LED Type and Control	Bi-colored (green and red) External, internal and dual
Certifications	USA UL Recognition to UL 294 and Canada Safety Recognition OEM is responsible for Regulatory Approvals (assistance available, contact HID for details)

* Depending on installation conditions

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