



P-640

PATAGONIA


PROXIMITY

READER &

KEYPAD



Pyramid Series Proximity[®]

 **Frequency:** 125 kHz
Read Range: Up to 7 inches (176 mm)



MAXSecure[™]
Unique Security Feature



fleaPower[™]
Energy-Conservation Technology



Pro-X[™]
Read-Range Boosting Technology



ETL Listed — Independently Tested and Certified (Wiegand models)
Conform to UL Standard 294 and ULC 60839-11-1



Warranty
Lifetime Warranty



Wiegand, ABA Track II Magnetic Stripe or OSDP*
Output Interface



U.S. Single-Gang Wall-Box Mount
Metal or Plastic Box & Flat Surfaces

*OSDP readers are independent models and need to be appended with the suffix “-OSDP” when ordering (Example: P-640-OSDP).

P-640 PATAGONIA PROXIMITY READER & KEYPAD

Pyramid Series Proximity® from Farpointe Data sets the electronic security benchmark for 125-kHz proximity readers, cards, and tags. Based upon proven contactless digital radio frequency identification (RFID) technology, Pyramid readers interface with a wide range of electronic access control systems by complying with either the legacy Wiegand and ABA Track II magnetic stripe formats, or the latest bi-directional Open Supervised Device Protocol (OSDP). They offer value-add features such as MAXSecure™ and fleaPower™, and can be ordered to support several proximity card and tag technologies. Additionally, Pyramid cards and tags are passive devices, eliminate maintenance by requiring no battery, and can be ordered to support several proximity reader technologies.

Specifications	P-640
Technology	Proximity
Frequency	125 kHz
Mounting	Metal or plastic US single-gang wall box, as well as flat surfaces
Dimensions	3" W × 4.6" H × 0.75" D (76 mm × 117 mm × 19 mm)
OEM Label Area Dimensions	0.9" W × 0.35" H (22.86 mm × 8.89 mm), with corner radius of 0.06" (1.5 mm)
Weight	4 oz (113 g)
Certifications	FCC, ICC, CE, C-Tick, UL Standard 294, ULC 60839-11-1 ¹
IP Code ²	IP67
Voltage ³	+5 to 16 VDC
Current Draw	70 mA typical, 110 mA peak @ 12 VDC
Read Range ⁴	Up to 7 inches (176 mm)
Cabling ⁵	24 AWG minimum, multiconductor stranded with an overall foil shield
Interface	Wiegand (26-bit and custom formats), ABA Track II magnetic stripe (clock and data) or OSDP ⁶
Operating Temperature	-31° F to 150° F (-35° C to +66° C)
Operating Humidity	0% to 90% relative humidity
Color Options	Black and a white snap-on cover included standard
Audio Tone	Beeper included standard
Indoor & Outdoor Installation	Electronics sealed in weather- and tamper-resistant epoxy potting
Warranty	Limited lifetime warranty
LED	Four-state standard (red, green, amber, and off)
Keypad Output ⁷	Either Wiegand or OSDP ⁶
Technologies Supported	P-640: <i>Pyramid Series Proximity</i> ® Cards and Tags ⁸ P-640-H: Pyramid + certain HID® 125-kHz Proximity protocols ⁹ P-640-A: Pyramid + certain AWID® 125-kHz Proximity protocols ¹⁰ P-640-H-A: Pyramid + certain HID® 125-kHz Proximity protocols + certain AWID® 125-kHz Proximity protocols

NOTES:

- 1 Carrying the ETL Label and tested by Intertek, conforms to UL Standard 294 and ULC Standard 60839-11-1. Only Wiegand models have been evaluated.
- 2 Self evaluated.
- 3 Linear power supplies are recommended for best operation.
- 4 Using PSC-1 Standard Light Proximity Card with 12 VDC at the reader.
- 5 For example, Belden 9535 or similar, supporting the five conductors comprising the physical layer of the Wiegand interface (power, ground, data 0, data 1, and/or beeper and LED). Alternatively, Belden 9539 or similar, for all reader functions. Shielded, twisted pair (Belden 8723 or similar) for OSDP. Contact your access control system manufacturer for their specific requirements.
- 6 OSDP readers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: P-640-OSDP).
- 7 8-Bit Burst or 26-bit Wiegand standard; for 4-Bit Burst and other options, please contact Farpointe.
- 8 Examples may include, and may not be limited to, PSC-1, PSI-4, PSM-2, PSK-3, and PDT-1.
- 9 Examples may include, and may not be limited to, ProxCard II®, ISOProx® II, and ProxKey® II.
- 10 Examples may include, and may not be limited to, CS Prox Card, GR (ISO) Graphics Quality Prox Card, and KT Key Tag.



For proper PIN security with keypad readers, please review our [PIN Best Practices Reference Document](#).

Farpointe Data reserves the right to change specifications without notice.

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