

Spectrum ProTM

PCI-PTS 4.x SRED Certified Outdoor Hybrid Insert Reader

Top Level Encryption Security, Tamper Resistance and Secure PIN Integration

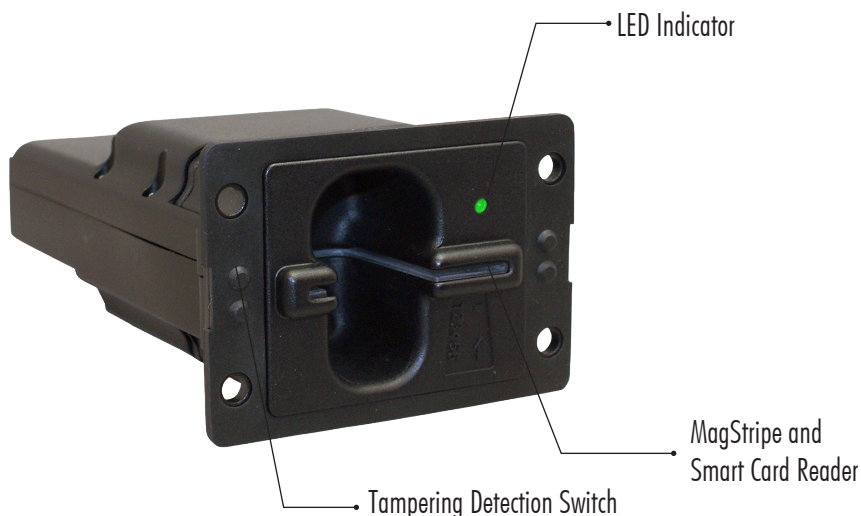
The Spectrum Pro is a PCI-PTS 4.x and SRED certified hybrid MagStripe and Smart Card insert reader designed for outdoor unattended environments. Meeting the latest requirements of the payment industry, the Spectrum Pro is EMV Level 1 and Level 2 approved and features DUKPT key management with TDES or AES encryption algorithms. Moreover, Spectrum Pro's tamper-resistant and SRED certified structure extends the reader's physical security to protect consumers' financial data from being compromised in outdoor and unattended applications. The Spectrum Pro has the ability to be integrated with ID TECH's PCI 4.x SRED certified ID TECH L100 PIN pad to provide a secure Chip & PIN solution in outdoor and unattended environments such as parking operations, vending machines, kiosks and ATMs.

Ultra Low Power Consumption, Low Temperature Adaptability in a Weather Sealed and Robust Body

The proprietary sleep mode and stop mode on the Spectrum Pro allow for ultra low power consumption during idle and a fast wake up response in off-grid solar powered environment, and its adaptability to low operational temperature down to -25° Celsius or - 13° Fahrenheit ensures reliable year round in the arctic regions. The Spectrum Pro is IP65 and IK10 rated for impact tampering resistance to withstand the rigors of the unattended outdoor environment against ingress of dust, liquid and other harmful substances. An LED on the front of the reader informs users of successful card reading while three LEDs on the back are used for diagnostic purposes. A standard card latch prevents premature card removal during smart card transactions, a valuable feature in unattended applications where human error minimization is paramount.

Features and Benefits:

- PCI-PTS 4.x certified with SRED outdoor unattended MagStripe and Smart Card Insert Reader
- IP65 water resistant / IK10 impact resistant designed for harsh environment deployments
- Ultra low power consumption for off-grid solar applications
- Low temperature compatibility: down to -25°Celsius or - 13°Fahrenheit
- Ability to be paired with PCI 4.x SRED and IP65 rated ID TECH L100 secure PIN pad
- EMV Level 1 and Level 2 Certified
- Supports TDES and AES encryption algorithms with DUKPT key management
- RoHS 2 and REACH compliant
- Reads up to 3 tracks of card data
- Standard Card Latch (Requires 12V power supply sold separately)
- Vertical or Horizontal Mounting Compatibility
- Two SAM modules



Spectrum ProTM

Specifications

Electrical

Interfaces:	RS232, USB-HID
Power Requirements (RS232):	5 VDC
Power Requirements (USB):	5 VDC

Environmental

Operating Temperature:	-13°F to 158°F (-25°C to 70°C) non-condensing
Storage Temperature:	-40°F to 185°F (-40°C to 85°C) non-condensing
Humidity:	Maximum 95% non-condensing

Reliability

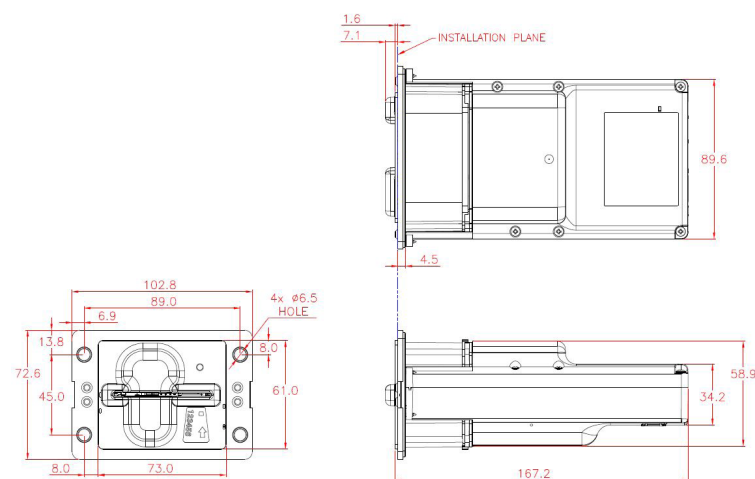
Magnetic Head Life:	1,000,000 cycles minimum*
Chassis and Bezel:	1,000,000 card cycles minimum*
Warranty:	One year, parts and labor

*All wear reliability numbers are based on operation in a benign environment

Mechanical

Dimension (L)x(W)x(H):	6.51 inches (165.3 mm) x 4.0 inches (102.8 mm) x 2.4 inches (60.4 mm)
Media Thickness:	0.76 mm (tolerance +/- 0.08 mm)
Media Formats:	ISO 7810 ID-1 card, ISO 7811, ISO 7816, AAMVA Driver License format
Color:	Black
Seal Rating:	IP 65
Shock Protection:	IK10

Footprint:



United States Sales Office

Corporate Headquarters
10721 Walker Street
Cypress, CA 90630
Phone: (714) 761-6368
Toll Free: (800) 984-1010
Fax: (714) 761-8880
sales@idtechproducts.com

International Sales Offices

Asia

+866-3-326-5988 (Taiwan)
asia@idtechproducts.com.tw

Canada

+416-519-8529
brents@idtechproducts.com

Europe, Middle East and Africa

+011 44 1925 269550
emea@idtechproducts.com

South America

+55-11-3079-2255
internationalsales@idtechproducts.com

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www.idtechproducts.com