

SlimTrak™ UHF RFID Reader with Integrated Antennas



RFID Solutions



Integrated unit with Reader and Antenna

The **SlimTrak™** reader from Venture Research combines a 1 watt UHF reader, antennas and I/O components in a single ultrathin enclosure. It can be easily affixed into tight spaces with minimal installation effort. The integrated antennas allow excellent performance for close proximity reading or double door applications. An auxiliary connector is available that allows connection to a secondary slaved unit with extra antennas to improve coverage.

Compact Footprint

At 40" X 9" X 1½", the SlimTrak can be mounted almost anywhere. Whether it is on a wall, to a workstation, in a cabinet, on a counter, bolted to the floor or even hanging on a door with no visible external connections – its flexibility is unmatched.

Proximity Detection Provides Accurate Triggering

A built in wide-angle proximity sensor, along with an optional external photoeye, provides feedback on traffic moving in front of or between units. Various trigger modes are available for characterizing the reader's behavior.

Versatile Communication Options

The Venture Research SlimTrak reader supports direct Ethernet plug in, WiFi (802.11b/g) or GSM. The WiFi configuration provides the quickest implementation with only power required. Configuration and setup can be performed via WiFi or a direct Ethernet cable to preconfigure the units for special network requirements. Both WEP and WPA configurations are supported. An optional Serial port is also available for configuration.

Durable Low Profile Design

The unit is constructed of extruded high impact material. Because of the unit's compact design, it can be placed in high traffic areas where aesthetics may play a role.

Sealed Enclosure Suitable for Harsh Environments

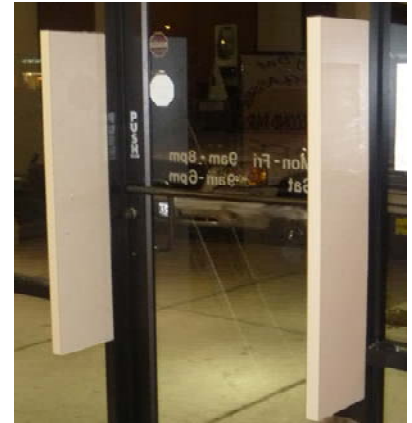
The plastic finish allows fully integrated reader / antenna configurations in a sealed enclosure. The sealed enclosures allow RFID tracking in environments that are high humidity or chilled, with high condensation or wash down requirements. The integrated reader is well suited for the food processing industry. Additionally the sealed readers are suitable for outdoor and yard tracking requirements by providing an IP65/ NEMA4 rating.

24 x 7 x 365 Support

Venture Research maintains a world class support organization that can provide real time monitoring and alerting of system operability remotely, proactively supporting installations 24x7x365.



WIP and personnel tracking



Doorframe Mounted Configuration Retail

Also Available with NEMA 4 rating

Communication Options

- Ethernet (POE)
- WiFi
- GSM

Features	Benefits
Optional NEMA4 rated enclosure allows for harsh environment	Suitable for food service or outdoor applications
Integrated Reader and Antenna in a single enclosure	Simplifies installation and maintenance
Power over Ethernet	Allows one cable to be run for power and communication
802.11b/g WiFi, RS232, GSM or Direct Ethernet connectivity	Provides the most flexible solutions regarding network requirements
Proximity sensing with annunciator, optional integrated stacklight and/or optional counter display	Ability to create operations feedback on tag read success and reader power management

For further information contact Venture Research at 866-RFID-111

Specifications

SlimTrak™ Reader Electrical Specifications

Model	SLIMTK-RDR
Reader	1 Watt – 2 Port GEN2 w/ optional 4 or 8 port multiplexor
Trigger	Software, Embedded Sensor (3'-6' range), Optional External Photoeye or switch
Power	Power Over Ethernet, External 12VDC
LED Indicators	Red, Yellow and Green diffuse LEDs for diagnostics
Annunciator	90db built in annunciator
Antennas	2 Internal 3 or 7 dBic Circularly polarized, 2 External connections (RP-TNC) to auxiliary antennas

Interfacing

Data	TCP / IP (Ethernet, WiFi, GSM), Serial
Network	Configurable IP, Port, HostName, DHCP option, direct autonomous HTTP updating
Connection	Serial (DB9), Cat5/6 (RJ45), optional WiFi w/ internal SMA antenna
Communication	10/100 Mbps Ethernet, Optional WiFi, Optional Serial (RS-232), Optional GSM (celluar)
Protocol	Simple text based configuration and tag read stream (via Telnet). Online help is built in for all commands. Up to 5 independent sessions.
Specialty Modes	Pulse, Continuous Read, Sensor Triggered
Antenna Select	Internal and Optional External Monostatic (slave)
Stacklight	Optional integrated stacklight and/or counter module

Software

Asset Management	Service Bureau-oriented, hosted solution with enterprise management available from Venture Research for managing an array of SlimTraks
------------------	----------------------------------------------------------------------------------------------------------------------------------------

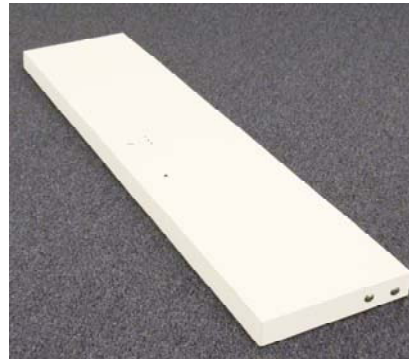
EPCglobal is trademarked and property of its respective owner
SlimTrak™ is a registered Trademark of Venture Research Inc.

Specifications are subject to change without notice.

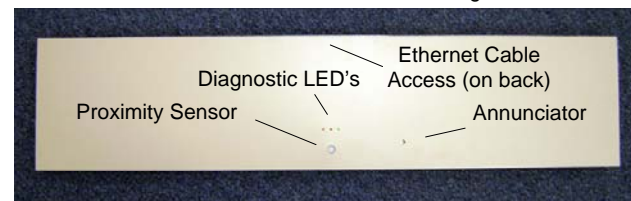
Printed in USA rev.2 © Venture Research Inc. – All rights reserved

SlimTrak™ Reader Mechanical

Dimensions: 40" long by 9" wide by 1 1/2" thick



With Optional Integrated Stacklight and Counter Module



Base SlimTrak	Part Number
Reader w/Antennas & PIR Sensor	SLIMTK-RDR
Ethernet included	10/100 Base - TX
Power Configurations	
12-48V Regulated DC	SLIMTK-OPT-DC-PWR
Power over Ethernet	SLIMTK-OPT-POE
Battery Backup (with charger)	SLIMTK-OPT-BATT-PACK
Spare LI-ION battery pack	SLIMTK-OPT-BATT
Communications	
Serial Port	SLIMTK-OPT-SPI
WiFi, 802.11 b/g	SLIMTK-OPT-WIFI
GSM - Cellular	SLIMTK-OPT-GSM
Sensor	
External Photoeye	SLIMTK-OPT-PHOT-E
Slave Antenna Panel (for opposite side)	
2 Port External Connections	SLIMTK-OPT-ANT-SLAVE
Slave Panel with two internal 6.5 dBic antennas	SLIMTK-SLAVE
RF Mux to drive slave panel	SLIMTK-MUX
Mounts	
Edge Frame Mounting	SLIMTK-OPT-MNT-SIDE
Flat Wall Mounting Kit	SLIMTK-OPT-MNT-WALL
Floor Mount Pedestal	SLIMTK-OPT-MNT-FLOOR
Display	
3 color Stack Light (integrated)	SLIMTK-OPT-STK-INT
Stack Light Interface (external)	SLIMTK-OPT-STK
4 digit Counter Module	SLIMTK-OPT-COUNTER
Cabling	
Master to Slave cable pair - 20' with RTNC terminators	SLIMTK-OPT-CBL-20

GSM option requires yearly service contract

Warranty

EPCglobal  Compliant

1 year parts and labor
NEMA4 / IP65 Rated



Venture Research Inc.
3001 Summit Ave, Suite 100
Plano, Texas 75074
1-866-RFID-111
469-246-4000