

# SlimTrak™ Intelligent UHF RFID Reader with Integrated Computer

RFID Solutions

# VENTURE Research Inc.

RFID Solutions



## The First Fully Integrated UHF RFID Reader / Portal / PC

The Intelligent SlimTrak™ RFID reader / portal builds on the SlimTrak™ ultrathin enclosure and integrates a Windows XP or Linux PC for a complete standalone portal solution. Finally the ability to have a read point with full intelligence and a touch screen interface is obtainable

### Built-in computing power

The Intelligent SlimTrak™ includes a full Windows XP® or Linux-based operating system to easily deploy end-user applications, whether running locally on the unit, on a networked server, or completely in the cloud using the GSM options. The unit includes a rugged 8.4" XGA touchscreen for direct user interaction.

### 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.

### Versatile Communication Options

SlimTrak™ supports wired Ethernet, WiFi (802.11b/g) or GSM built in. 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 pre-configure the units for special network requirements. Both WEP and WPA configurations are supported. POE is integral.

### Full sensor management

The portal is available with an array of options for sensor management. Prox sensing, bidirectional sensing, camera, HF badge reader, door switch and biometric triggering are all possible. Control for the integrated stacklight, door locks, annunciators, full audio or other output requirements are available.

### Intelligent Store and Forward ready for Cloud computing

For the first time, the unit can be configured for fully intelligent mode where reads and user interaction are filtered and processed and the transactions are automatically queued in the portal. Transactions can be stored on the local SD card awaiting connectivity to the variety of integral communication options. Transaction updates to remote Web Services, ERP or WMS environments via the cloud are now possible

### 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. All hardware products of Venture Research contain automatic self diagnosis and connected to the remote Venture Research monitoring system called Sitewatch, can provide for non-stop read point sensing for critical applications



**Thinnest fully integrated portal / reader / computer solution on the market**



**Now with a full computing environment and touch screen built in.**

**Some of the applications where an ultra thin portal/reader/computer can be used:**

- Personnel Doors
- Document / File tracking
- WIP Tracking
- Tool crib management
- Kiosks
- Shipping / Receiving
- Security
- Hospitals
- Trade Show / Seminars
- Direct SAP interfacing

Features	Benefits
Smallest footprint in the industry	Intelligent RFID read points can be deployed anywhere.
Fully integrated touch screen computer	Complete applications can be run at the portal including SAP.
POE, 12V direct or battery power	Allows for a permanent install or quick setup mobile applications.
802.11b/g WiFi, RS232, GSM or Direct Ethernet connectivity	Provides the most flexible solutions regarding network requirements
Integral store and forward with direct web services update.	Ready for Cloud computing

For further information contact Venture Research at 866-RFID-111 or 469-246-4000

# Specifications

## SlimTrak™ Reader Electrical Specifications

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

## Interfacing

Data	TCP / IP (Ethernet, WiFi, GSM), Serial
Connection	Serial (DB9), Cat5/6 (RJ45), optional WiFi w/ internal SMA antenna
Protocol	Simple text based configuration and tag read stream (via Telnet). Online help is built in for all commands. Up to 5 independent sessions.
Cloud Computing	Store and Forward with all filtering / aggregation being performed in the reader. Direct Web Service update capability.
Optional Sensors	Biometrics, Card, HF Badge, Camera, temperature, bi-directional motion
Outputs	Optional integrated stacklight and/or counter module, door lock, audio

## Software

Asset and Personnel Management	Service Bureau oriented, hosted solution with enterprise management available from Venture Research for managing an array of SlimTraks
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Specifications are subject to change without notice.

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## SlimTrak™ Mechanical

40" X 9" X 1 1/2"

## Configuration

Base Reader	Part Number
Reader w/Antennas & motion detector	SLIMTK-RDR
<b>Power Configuration</b>	
12-48V Regulated DC	SLIMTK-OPT-DC-PWR
Power over Ethernet	SLIMTK-OPT-POE
Battery Backup w/ charger	SLIMTK-OPT-BATT-PACK
Spare LI-ION battery	SLIMTK-OPT-BATT
<b>Communications</b>	
Serial Port	SLIMTK-OPT-SPI
10 Mbps Ethernet	SLIMTK-OPT-Ethernet
802.11 b/g WiFi	SLIMTK-OPT-WIFI
GSM-Cellular	SLIMTK-OPT-GSM
<b>Sensor</b>	
External Photo Eye	SLIMTK-OPT-PHOT-E
Stack Light Interface (external)	SLIMTK-OPT-STK
Internal Prox Sensor	SLIMTK-OPT-PHOT-I
<b>Antennas</b>	
2 Port External Connections	SLIMTK-OPT-ANT-SLAVE
Internal 7dBic Antennas	SLIMTK-OPT-ANT-INT-7
Slave Door Enclosure w/ 2 antenna mounts / connectors	SLIMTK-SLAVE-ENCL
RF Mux to drive slaves	SLIMTK-SLAVE-MUX
<b>Mounts</b>	
Edge Frame Mounting	SLIMTK-OPT-MNT-SIDE
Flat Wall Mounting Kit	SLIMTK-OPT-MNT-WALL
Floor Mount Pedestal	SLIMTK-OPT-MNT-FLOOR
<b>Display</b>	
3 color Stack Light (integrated)	SLIMTK-OPT-STK-INT
4 digit Counter Module	SLIMTK-OPT-COUNTER
<b>Cabling</b>	
Master to Slave cable pair - 20' with RTNC terminators	SLIMTK-OPT-CBL-20
<b>Intelligent Touch Screen Computer</b>	
Windows XP	SLIMTK-OPT-PC-WIN
Linux	SLIMTK-OPT-PC-LINUX

GSM option requires yearly service contract

## Warranty



1 year parts and labor  
NEMA4 / IP65 Rated