

UltraSlimTrak™ Portal



Ultra SlimTrak Portal with Integrated RFID Reader and BLE Support

The Ultra SlimTrak™ Portal from Venture Research extends the legacy of the Slimtrak series by further improving the size, modularity and ease of installation building on a foundation of a US or EU UHF RFID Reader. The UltraSlimTrak Portal refines the exclusive Venture Research built in Reader and Antenna Array at only 1" thick. It can be easily affixed into tight spaces with minimal installation effort. The integrated antennas offer excellent performance for close proximity reading but also double door applications. The Ultra SlimTrak Portal has built in capability to drive a secondary antenna array to provide full coverage of a door or corridor.

Compact Footprint

At a mere 44.5" X 11" X 1", the Ultra SlimTrak™ can be mounted almost anywhere. Whether it is on a wall, directly on a door frame or bolted to the floor, its flexibility is unmatched. Cables can be routed from the top or bottom of the unit to ease installation.

Proximity Detection Provides Accurate Triggering

Built in bi-directional wide-angle proximity sensors provides automatic triggering of the portal but also provides an indication of the direction of the personnel or material to be read. Various trigger modes are available for characterizing the reader's behavior.

Versatile Communication Options

The Venture Research Ultra SlimTrak Portal supports direct Ethernet plug in with POE, WiFi (802.11b/g/a), Cellular or Serial. 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. 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.

BLE Support

Along with UHF RFID read capability, all Venture Research Portal solutions have the ability to read active low energy Bluetooth® (BLE) tags for critical asset tracking.

Product Features

Features	Benefits
Wall Mount, Floor Mount or Edge Mount with same configuration	Ease of installation
Integrated Reader and Antennas in a single enclosure	Eliminates additional cabling requirements
Power over Ethernet	Allows one cable to be run for power and communication
802.11b/g WiFi, RS232, Cellular or Direct Ethernet connectivity	Flexible communication options supported as standard
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
A primary reader/antenna portal can also drive a secondary portal configuration	Reduces cost of implementation for a full door read zone
2 input, 2 output GPIO	Allows connection to additional trigger sources and output indicators
Integrated side illuminating LED Indicators	Provides feedback to personnel of Portal's operations

Applications

- Security
- Asset Management
- Access Control
- WIP
- Lab Tracking
- Hospital Asset and People Tracking

24 x 7 x 365 Proactive Support

Venture Research maintains a world class support organization that can provide round-the-clock assistance. All hardware products of Venture Research contain automatic self diagnosis capabilities, and can be connected to SiteWatch, the Venture Research remote monitoring system, for real time monitoring of system operability and alerting on exceptions. This ensures non-stop operation for critical applications.

Specifications



Processing

Processor	ARM v7a - 1GHZ, 512 Mb Ram, 512 Mb Flash Yocto Linux Build
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Electrical Specifications

Reader	1 Watt* - GEN2 Reader
Trigger	Built in PIR motion sensors, 2 external inputs
LED Indicators	Programmable/LEDS Edge
Output	2 GPIO Conditional outputs
Power	Power over Ethernet, External 12VDC
BLE	Can read iBeacon and Eddystone low energy Bluetooth® tags
Secondary Antennas	Can drive a secondary antenna portal for an additional 4 antennas
Antennas	Built in array antennas in 3 and 4 antenna configurations

Interfacing

Cloud Ready	Built in store and forward with direct posting to REST/WEB Services Interface
Connectivity	802.11 a/b/g Wifi, Ethernet, Serial Console, CAN BUS
Programmability	C, C++, Python, JAVA
Stacklight	Optional top cap stacklight
Android Touch screen computer	Optional intelligent Android™/touch screen LCD head

Mounting

Wall Mount	Flush mounting option
Edge Mount	For door frames
Floor Mount	Suitable for door ways where there is no vertical mounting options
Chair Rail	Exclusive wall chair rail implementation utilizing a lower antenna

*ETSI Version also Available

Ultra SlimTrak Reader Configurations

Primary Configurations

Primary Short	USLIM-PRI-SHORT
Primary Long	USLIM-PRI-LONG

Secondary Configurations

Secondary Short	USLIM-SEC-SHORT
Secondary Long	USLIM-SEC-LONG

Mount Options

Top Cap	USLIM-TOP-CAP
Edge Mount	USLIM-EDGE-MNT
Wall Mount	USLIM-WALL-MNT
Bottom Cap	USLIM-BOT-CAP
Floor Mount	USLIM-FLOOR-MNT

Display

Android Intelligent Computer Head	USLIM-ANDROID
Stack Light	USLIM-STACK

Cabling

RF/GPIO Interconnect Cable	USLIM-MS-CBL-25
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Options

Low Antenna for Chair Rail	USLIM-LOW-ANT
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Ultra SlimTrak Reader Mechanical

Dimensions: 44 ½" long by 11" wide by 1"

Warranty

- 1 year parts and labor