VENTURE
Research Inc.

Curve RFID Verifier and Encoder

Desktop RFID tag verification and Encoding

At only 8" x 8" the "Curve" provides a low profile (9/16" tall) integrated RFID antenna and reader solution with built in verification and encoding capabilities. Designed for tag on product commissioning and verification, the Curve also has built in visual go / no-go indicators to assist with tag verification.

Useful for tracking Expired or Counterfeit product

With a quick scan of the tagged product over the reader, expired products can be verified in a database and the visual indicators built into the reader can provide immediate feedback of counterfeit or expired product.

Versatile Communication Options

Integral to all Venture Research readers is the ability to daisy chain the readers via the CAN Bus. Many readers can be connected through a single gateway connection to the internet / network through the robust CAN Bus to minimize cabling. Also provided in the 'Curve' verifier and encoder:

- POE, WiFi, Serial and Cellular connections
- USB to connect to a local computer
- 2 GPIO inputs and 2 GPIO outputs
- Intelligent store and forward capability
- Full Linux operating system

Additional Peripherals

The reader can receive stimulus from external triggers or can output to additional peripheral such as locks, annunciators or additional LED indicators.

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. To learn how our Curve Verifier and Encoder Solutions can work for you, or to find out more about Venture Research's products and solutions, contact us at 866.RFID.111 or 469-246-4000 or visit us at www.ventureresearch.com

Product Features

Features	Benefits
Available in either HF or UHF configurations	Useful for any tagging application
Can perform verification and encoding functions	Expiration check, counterfeiting check and tag on product readability
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
Power over Ethernet or direct power	Simplifies implementations and minimizes desk space
Direct USB barcode interface	Allows for scan and encode without a computer

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Specifications

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
LED Indicators	Red, Yellow and Green diffuse LED's for diagnostics
Power	Power over Ethernet, External 12VDC
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 (cellular)
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

Curve Reader Options

Base SlimTrak	
Reader w/ Antennas & PIR Sensor	SLIMTK-RDR
Ethernet	10/100 Base - TX
Power Configuration	
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 Pedastal	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
Curve Reader Mechanical	

Dimensions: 40" long by 9" wide by 1 1/2' thick GSM option requires yearly service contract

Warranty

- 1 year parts and labor
- NEME4/IP65 Rated