



1126 DESKTOP UHF RFID READER

LOW PROFILE, USB POWERED UHF RFID READER



Hands free UHF RFID scanning

This low profile desktop UHF RFID reader is designed to read and write to EPC Class 1 Generation 2 (ISO 18000-6C) UHF RFID transponders. It is powered by (and communicates via) a standard USB connection, providing a convenient device that can be hosted by any PC. It is designed for operation in either European (ETSI EN 302 208) environments, including Dense Reader Mode Capability or North American FCC environments.

The 1126 Desktop UHF RFID Reader with USB is ideal for Retail Point of Sale, document tracking and access control applications

An extensive software development kit (SDK) is available for development of customer applications.

Features:

High Performance UHF RFID Reading and Writing

Integrated circularly polarised antenna provides up to 1.5m (5 feet) read range (tag and environment dependent)

Small footprint

Small footprint enclosure – 110mm(w) × 110mm max (l) × 35mm(d)

Usability

Simple USB interface provides both power and communications. Audible and visual indication of successful read.

Configurable power

Programmable RF power control from 1 to 29 dBm (in steps of 1dBm)

SPECIFICATIONS

Physical Characteristics

Dimensions (max):	110mm(w) × 110mm(l) × 35mm(d) (4.3" x 4.3" x 1.4")
Weight:	175g (6.2 oz.)
Enclosure material:	GE Lexan Polycarbonate
Colour:	Grey/black
Material finish:	Sparked surface
User indication:	LEDs for 'Power Good' (orange), 'Read OK' (green), 'communication' (red). Buzzer

UHF RFID Reader

Frequency:	865 – 868 MHz (ETSI version) 902 – 928 MHz (FCC version)
RF Power:	10 - 800 mW (software controlled)
Antenna:	Circularly Polarised
Read Distance:	Up to 1.5m (5 feet) - (tag dependent)

Connectivity

Power and data:	Mini USB B connector. Must be connected to a high power port on the host (500mA)
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Drivers:	Virtual comm. port drivers available for Windows XP/Vista/7, Windows CE 4.2 and above, Linux and Mac OS8,9,X
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Environmental

Operating Temp.:	-20°C to +50°C (-4°F to 122°F)
Storage Temp.:	-40°C to +60°C (-40°F to 140°F)
Humidity:	Up to 90% Relative humidity Non Condensing
Drop Spec:	76.2cm (30 inch) drops to vinyl tiled concrete at room temperature.
Sealing:	TBA, conformal coated electronics
Electrostatic Discharge (ESD):	+/-12kV air discharge, +/-8kV direct discharge
Construction:	RoHS compliant

Regulatory

Electrical Safety:	TBC
EMI/RFI:	TBC

PART NUMBERS

1126-01-DTR-UHF	ETSI variant
1126-02-DTR-UHF	FCC variant

WARRANTY

The TSL 1126 reader is warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.

ABOUT

ABOUT TSL®



Technology Solutions UK Ltd (TSL®), part of HID Global, is a leading manufacturer of high performance mobile RFID readers used to identify and track products, assets, data or personnel.

For over two decades, TSL® has delivered innovative data capture solutions to Fortune 500 companies around the world using a global network of distributors and system integrators. Specialist in-house teams design all aspects of the finished products and software ecosystems, including electronics, firmware, application development tools, RF design and injection mould tooling.

TSL® is an ISO 9001:2015 certified company.



ISO 9001: 2015

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ABOUT HID GLOBAL



HID Global powers the trusted identities of the world's people, places and things. We make it possible for people to transact safely, work productively and travel freely. Our trusted identity solutions give **people** convenient access to physical and digital **places** and connect **things** that can be identified, verified and tracked digitally. Millions of people around the world use HID products and services to navigate their everyday lives, and billions of things are connected through HID technology. We work with governments, educational institutions, hospitals, financial institutions, industrial businesses and some of the most innovative companies on the planet. Headquartered in Austin, Texas, HID Global has over 4,000 employees worldwide and operates international offices that support more than 100 countries. HID Global is an ASSA ABLOY Group brand.

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