

### Features

#### General

- Operating Frequency: 13.56MHz
- Compatible Protocols: ISO15693 and ISO 18000-3
- Adjustable RF Power: 0,2W to 1,5W
- Quick Antic-Collision algorithm up to 50Tags/sec
- Reading Range: 5 to 38cm depending on Tags Antenna
- Support Noise Detection of EMI interference around
- Communication Interface: USB
- Power Supply: 12Vdc or 5VUSB (SmartPAD 10M)
- Work Mode: Host Mode, Scan mode (SW Setup)
- Integrated Solution: Antenna + Reader in one case



**SmartPAD<sup>®</sup>** is a family of RFID readers and writers with a large anti-slip surface, ideal for solving multiple simultaneous reading problems, while also ensuring efficient long distance readings.

Thanks to the anti-collision system, operation is also guaranteed in conditions where the number of TAGs is high.

**SmartPAD<sup>®</sup>** is characterized by its exterior shape, little invasive. Available in 2 sizes with a maximum height of 15mm

**SmartPAD<sup>®</sup>** is connected to the outside world via the USB standard.

**SmartPAD<sup>®</sup>** is equipped with a software that allows you to set, parameterize, and manage readings made by your device.

Typical application areas for this device are:

- Reading to Single and Multiple TAG RFID Banks
- TAG reading in a healthcare environment

## Technical Specification

	<i>SmartPAD 10M</i>	<i>SmartPAD 20M</i>	<i>SmartPAD 20L</i>
Operating Frequency	13.56MHz		
RF Power	0,2W	0,25 to 1.5W (SW Adjustable)	
Compatible Protocols	ISO15963 - ISO18000-3 ISO14443A/B - ISO18000-3M3	ISO15693- ISO18000-3	
Communication Interface	USB Virtual COM or HID		
Reading Distance (up to)	20cm	30cm	38cm
Power Supply Voltage	5Vdc USB	12Vdc External Power Supply	
Max Power Consumption	0,65W	3,0W	
EMI Detection	NO	YES	
Housing Material	Aluminium Alloy		
Dimension	360 * 275 * 15mm		450 * 365 * 15mm
Weight	1,8Kg		3,8Kg

### About Us

TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

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