

Product Datasheet

OEM Reader Module

int. antenna

Article No : TLM- 20



The TECTUS Mini Reader Modules are fully integrated low cost readers at minimized dimensions, focused to access control and time & attendance applications

The TECTUS TLM-20 is already equipped with an integrated antenna, making it a plug & play EM410x (Sokymat UNIQUE) reader.

TLM-20 Mini Reader Module comes already with a wide variety of selectable data transmission protocols, like wedge (ASCII), wiegand26 and magnetic stripe (ABTRKII).

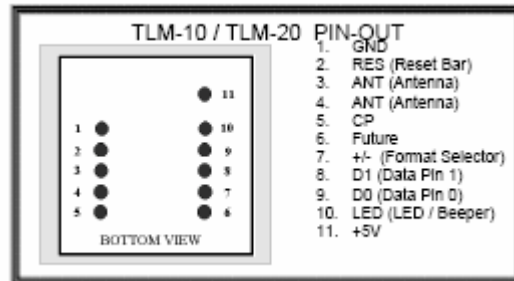
Frequency	125 kHz +/- 2,5 (at RT)
Antenna	Integrated Antenna
Read Distance	Short range (up to 100mm with ISO cards)
Housing	Plastic, IP67 with 9x PIN-OUT
Dimensions	26 x 25 x 7 mm (1 x 1 x 1/4 inches)
Supply Voltage /Current	4.5 to 5.5 VDC /13mA
Operating Temperature	-20°C to +50°C (-4F to +122F)
Interfaces	wedge (serial TTL); Wiegand 26 and magstripe ABA track II
Transponder types	Read only: EM410x (Sokymat Unique) OTP : Q5, HT-S (EM410x Mode)
Technical Certificates	CE
Features	• Most common interfaces for access control /time & attendance are implemented • Interface selection via pin-out • LED or beeper control pin • Needs just 5V DC and an external antenna to become an OEM reader • Provides an excellent reading performance, without adding external circuitry • Low cost, small size • Shortest possible design-in phase

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Pin Out



Pin Description

Pin No.	Description	ASCII	Magnet Emulation	Wiegand26
Pin 1	Zero Volts and Tuning Capacitor Ground	GND 0V	GND 0V	GND 0V
Pin 2	Strap to +5V	Reset Bar	Reset Bar	Reset Bar
Pin 3	To External Antenna and Tuning Capacitor	Antenna	Antenna	Antenna
Pin 4	To External Antenna	Antenna	Antenna	Antenna
Pin 5	Card Present	No function	Card Present	No function
Pin 6	Future	Future	Future	Future
Pin 7	Format Selector (+/-)	Strap to GND	Strap to Pin 10	Strap to +5V
Pin 8	Data 1	CMOS	Data	One Output
Pin 9	Data 0	TTL Data (Inverted)	Clock	Zero Output
Pin 10	3.1 kHz Logic	Beeper / LED	Beeper / LED	Beeper / LED
Pin 11	DC Voltage Supply	+5V	+5V	+5V

Order Number

TLM-20.aa

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