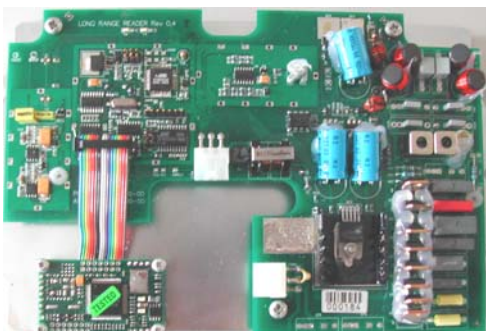


**Product Datasheet
OEM Reader Board
ISO-11784 /5**

Article No : TPB – 21



The TECTUS TPB-21 is an ISO 11784 /5 long range reader board. The TPB-21 combines DSP based technology with compact size.

TPB-21 is a true ISO 11784 /5 reader board for FDX-B and HDX transponders, based on the latest developments in DSP technology.

The optional powers supply board TPB-92 for 110VAC /230VAC is optimized to offer a maximum performance with the TPB-21 and TPF-21 products.

Frequency	134 kHz +/- 0.5% (at RT)
Antenna	For one or two Antennas (Gate), please see antenna design guide TPB-21_ATG.
Read Distance	Up to 90 cm (depending on the transponder shape, power supply and antenna design)
Housing	Aluminum with IP66, two external LED's (Power, TAG read), IP54 Housing on request
Dimensions	To be done
Power Supply	Optional 110 /240 VAC power supply board TPB-92 1,5A typ. As well available with housing in protection class IP66 or IP54 (TPF-92.aa /b)
Transponder Types	All ISO 11784 /5 , FDX-B and HDX, Like : Sokymat ZOODIAC, EM4x05 Sokymat HITAG-S in FDX-B mode Texas Instruments TIRIS
Operating Temperature	-25°C to +55°C
Technical Certifications	CE
Interface	RS232
Features	• Reader drives up to 2 Antennas simultaneously • Antenna design guide available • High performance power supply board available • Full ISO 11784 /5 • Long range performance with FDX-B • Long range performance with HDX

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to be added

TPB- 21

Dimensions (LxWxH)

In : 12 V DC / 2 A

Operating Temperature -25°C to +55°C

Read distance

Measured with one antenna 80x60 cm, TPA-48-aa:

ZOODIAC 2x12 mm	45 cm
ZOODIAC 3x13 mm	45 cm
ZOODIAC 3x15 mm	57 cm
ZOODIAC 4x22 mm	70 cm
ZOODIAC 4x34 mm	90 cm
ZOODIAC Eartag	90 cm

*All this reading distance can be increase with a gate (two antennas)

Order Numbers

TPB-21-aa	ISO Reader PCB
TPB-92-aa	analogue power supply board for long range reading,

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