TITAN RFID Reader Industry OEM Board

THE

PART ID: **4005**

The LF RFID OEM Reader Board Serial TITAN 4005 supports the Multiprotocol FDX-B and HDX functionality related to ISO/IEC 11784/785 / BDE standard. The TITAN 4005 is used by electronics developers to integrate LF RFID reading functionality into own devices. Target applications are the waste management and the animal identification or other industrial applications. The small shape allows the integration in handheld PDAs or tablet PCs. A good read range is available even if the reader board is of small shape.

Main Specifications

Frequencies	LF HF UHF
Material	FR4
Operating Temperature	-20°C to 65°C
IP Class	Not Specified
Compliance	RoHs & Reach, CE
Key Features	Small Size, Command Interpreter, ASK/FSK Modulation

Full Specifications

Product ID	4005
Name	TITAN
Material	FR4
Shape	Short Range
Long Description	The LF RFID OEM Reader Board Serial TITAN 4005 supports the Multiprotocol FDX-B and HDX functionality related to ISO/IEC 11784/785 / BDE standard. The TITAN 4005 is used by electronics developers to integrate LF RFID reading functionality into own devices. Target applications are the waste management and the animal identification or other industrial applications. The small shape allows the integration in handheld PDAs or tablet PCs. A good read range is available even if the reader board is of small shape.
Key Features	Small Size, Command Interpreter, ASK/FSK Modulation
Main Use	Embedded
Article Type	OEM Board
Color	Green
Length [mm]	70

^e TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer

of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility. Where application information is given, it is only advisory and does not form part of the specification.

TECTUS Datasheet

Width [mm]	20
Thickness [mm]	8
Weight [g]	15
IP Class	Not Specified
PCB Material	FR4
Chemical Resistance	Not Specified
Flame Resistance	Not Specified
Mechanical Resistance	Not Specified
Compliance	RoHs & Reach, CE
Read / Read Write	Read&Write
Operating Temp °C (min)	-20
Operating Temp °C (max)	65
Storage Temp °C (min)	-20
Storage Temp °C (max)	65
Power Supply	5V DC
Battery Type	None
Battery Type Battery Capacity	None
Battery Capacity	None
Battery Capacity Operating Frequency	None LF
Battery Capacity Operating Frequency Frequency Range	None LF 125 - 134 kHz
Battery Capacity Operating Frequency Frequency Range Current Consumption	None LF 125 - 134 kHz 80mA
Battery Capacity Operating Frequency Frequency Range Current Consumption Power over Ethernet [PoE]	None LF 125 - 134 kHz 80mA None
Battery Capacity Operating Frequency Frequency Range Current Consumption Power over Ethernet [PoE] Interfaces Physical	None LF 125 - 134 kHz 80mA None TTL/RS232/RS485
Battery Capacity Operating Frequency Frequency Range Current Consumption Power over Ethernet [PoE] Interfaces Physical Interfaces Protocol	None LF 125 - 134 kHz 80mA None TTL/RS232/RS485 ASCII
Battery CapacityOperating FrequencyFrequency RangeCurrent ConsumptionPower over Ethernet [PoE]Interfaces PhysicalInterfaces ProtocolTransfer rate [Baud]	None LF 125 - 134 kHz 80mA None TTL/RS232/RS485 ASCII 9600
Battery CapacityOperating FrequencyFrequency RangeCurrent ConsumptionPower over Ethernet [PoE]Interfaces PhysicalInterfaces ProtocolTransfer rate [Baud]Antenna Ports	None LF 125 - 134 kHz 80mA None TTL/RS232/RS485 ASCII 9600 1
Battery CapacityOperating FrequencyFrequency RangeCurrent ConsumptionPower over Ethernet [PoE]Interfaces PhysicalInterfaces ProtocolTransfer rate [Baud]Antenna PortsAntenna ext.	None LF 125 - 134 kHz 80mA None TTL/RS232/RS485 ASCII 9600 1 1
Battery CapacityOperating FrequencyFrequency RangeCurrent ConsumptionPower over Ethernet [PoE]Interfaces PhysicalInterfaces ProtocolTransfer rate [Baud]Antenna PortsAntenna ext.Firmware Update User	None LF 125 - 134 kHz 80mA None TTL/RS232/RS485 ASCII 9600 1 1 yes
Battery CapacityOperating FrequencyFrequency RangeCurrent ConsumptionPower over Ethernet [PoE]Interfaces PhysicalInterfaces ProtocolTransfer rate [Baud]Antenna PortsAntenna ext.Firmware Update UserIntegrated RFID Reader	None LF 125 - 134 kHz 80mA None TTL/RS232/RS485 ASCII 9600 1 1 yes LF

VARIANTS

ID	Variant
4005-01-000-00	LF Read/Write

*TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use
of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.
Where application information is given, it is only advisory and does not form part of the specification.

ECTUS