TITAN

RFID Reader Industry
OEM Board

PART ID:
4002

LF Multifrequency 125 kHz / 134 kHz Multiprotocol FDX-B / HDX Mid Range RFID OEM Reader Board TITAN 4002 with 1 Antenna Output was developed to connect 1 external antennas from the SIRIUS series and is used by system integrators in applications like animal identification of Live Stock animals in feeding systems. System integrators supporting the waste management industry integrate the OEM RFID reader board in their systems on waste trucks together with the comb- tooth and area antennas to identify waste bins carrying a BIN TAG or PLUG TAG. LF 125 kHz / 134 kHz Mid Range OEM Reader Board TITAN 4002 supports the reading of 125 kHz FDX, 134 kHz HDX RFID TAGs.

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	Command Interpreter, ASK/FSK Modulation, Automatic Read Mode, Antenna Tuning Onboard

Full Specifications

Product ID	4002
Name	TITAN
Material	FR4
Shape	Mid Range
Long Description	LF Multifrequency 125 kHz / 134 kHz Multiprotocol FDX-B / HDX Mid Range RFID OEM Reader Board TITAN 4002 with 1 Antenna Output was developed to connect 1 external antennas from the SIRIUS series and is used by system integrators in applications like animal identification of Live Stock animals in feeding systems. System integrators supporting the waste management industry integrate the OEM RFID reader board in their systems on waste trucks together with the comb- tooth and area antennas to identify waste bins carrying a BIN TAG or PLUG TAG. LF 125 kHz / 134 kHz Mid Range OEM Reader Board TITAN 4002 supports the reading of 125 kHz FDX, 134 kHz HDX RFID TAGs.
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Where application information is given, it is only advisory and does not form part of the specification.

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	Antenna Tuning Onboard
Comments	Reading Distance Depends On Antenna
Main Use	Embedd
Article Type	OEM Board
Color	Green
Length [mm]	115
Width [mm]	70
Thickness [mm]	12
Weight [g]	56
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
Typical Reading Range	300-500mm
Supported Standards / Tags	EM420x, FDX-B, HDX
Operating Temp °C (min)	-20
Operating Temp °C (max)	65
Storage Temp °C (min)	-20
Storage Temp °C (max)	65
Power Supply	10...15V DC
Battery Type	none
Battery Capacity	none
Operating Frequency	LF
Frequency Range	125 - 134 kHz
Current Consumption	230mA
Power over Ethernet [PoE]	none
Interfaces Physical	TTL/RS232/RS485
Interfaces Protocol	ASCII
Transfer rate [Baud]	9600
Antenna Ports	1
Antenna ext.	1
GPIO	4
Number of Input	2
Number of Output	2
Connection	Terminal Clamps
Status [Display,LED]	3
Customized Programming	None
Firmware Update User	yes
Integrated RFID Reader	LF
Development Tools	API
Mounting Method	Screw M4

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VARIANTS

ID	Variant
4002-01-000-00	LF Read Only

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