

TITAN
RFID Reader Industry
OEM Board

PART ID:
4003

LF Multifrequency 125 kHz / 134 kHz Multiprotocol FDX-B / HDX
Midrange RFID OEM Reader Board TITAN 4003 with 3 Antenna
Output was developed to connect 3 external antennas (Multiplexing)
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 Midrange OEM Reader Board TITAN 4003 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, 3 Antenna Support, Antenna Tuning Onboard, Automatic Read Mode

Full Specifications

Product ID	4003
Name	TITAN
Material	FR4
Shape	Mid Range
Long Description	LF Multifrequency 125 kHz / 134 kHz Multiprotocol FDX-B / HDX Midrange RFID OEM Reader Board TITAN 4003 with 3 Antenna Output was developed to connect 3 external antennas (Multiplexing) 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 Midrange OEM Reader Board TITAN 4003 supports the reading of 125 kHz FDX, 134 kHz HDX RFID TAGs.

®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.

Key Features	Command Interpreter, ASK/FSK Modulation, 3 Antenna Support, Antenna Tuning Onboard, Automatic Read Mode
Comments	Reading Distance Depends On Antenna
Main Use	Embedded
Article Type	OEM Board
Color	Green
Length [mm]	115
Width [mm]	95
Thickness [mm]	12
Weight [g]	62
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	EM4200, 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	20..36V DC
Operating Frequency	LF
Frequency Range	125 - 134 kHz
Current Consumption	230mA
Power over Ethernet [PoE]	None
Interfaces Physical	RS 485
Interfaces Protocol	ASCII
Transfer rate [Baud]	9600
Antenna Ports	3
Antenna ext.	3
Connection	Terminal Clamp
Status [Display,LED]	4
Firmware Update User	yes
Integrated RFID Reader	LF
Development Tools	API
Mounting Method	Srew M4

VARIANTS

ID	Variant
4003-01-000-00	LF Read Only