MAGNUM

RFID Reader ATEX Zone 1
Stationary

PART ID:
4500

The ATEX and IECEx™ Zone 1 certified multi-frequency reader, which supports both 125kHz ASK and 134kHz FDX-B ATEX certified transponders, enables customers to optimize their logistics and processes in harsh industrial environments. The stationary robust reader allows the use of 2 independently working ATEX and IECEx™ RFID antennas. The optimal tuning of the antennas with software commands makes the installation easy and saves time. In addition to the RS232/485 interface, the optionally available web server enables connection via Ethernet, so that integration into existing networks is easy. LF RFID Read Only Transponders EM4102/EM4200 (CF/64 or CF/32), FDX-B transponders are currently supported.



Main Specifications

Frequencies	**LF** HF UHF
Material	Stainless Steel
Operating Temperature	-20°C to 60°C
IP Class	IP54
Compliance	RoHs & Reach, CE
Key Features	ATEX and IECEx™ Zone 1, Stainless Steel Housing, Serial or Ethernet Interface, Automatic Read Mode, Antenna Autotune
Options	TCP/IP

Full Specifications

Product ID	4500
Name	MAGNUM
Atex	yes
Material	Stainless Steel
Shape	Long Range
Long Description	The ATEX and IECEx™ Zone 1 certified multi-frequency reader, which supports both 125kHz ASK and 134kHz FDX-B ATEX certified transponders, enables customers to optimize their logistics and processes in harsh industrial environments. The stationary robust reader allows the use of 2 independently working ATEX and IECEx™ RFID antennas. The optimal tuning of the antennas with software

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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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Key Features	ATEX and IECEx™ Zone 1, Stainless Steel Housing, Serial or Ethernet Interface, Automatic Read Mode, Antenna Autotune
Options	TCP/IP
Article Type	Stationary
Color	Grey/Yellow
Length [mm]	270
Width [mm]	200
Thickness [mm]	169
Weight [g]	17000
IP Class	IP54
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	600mm
Supported Standards / Tags	EM4200, FDX-B
Operating Temp °C (min)	-20
Operating Temp °C (max)	60
Storage Temp °C (min)	-20
Storage Temp °C (max)	60
Power Supply	115...230V AC
Operating Frequency	LF
Frequency Range	125 -134 kHz
Current Consumption	700mA
Interfaces Physical	RS232/RS485/TCP-IP
Interfaces Protocol	ASCII
Transfer rate [Baud]	9600
Antenna Ports	2
Antenna ext.	2
GPIO	5
Number of Input	2
Number of Output	3
Number of Relais	3
Connection	Terminal Clamps
Status [Display,LED]	4
Firmware Update User	yes
Development Tools	API/Demo

VARIANTS

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ID	Variant
4500-01-000-00	LF Read Only

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