

# Transponder ATEX

## DISC TAG

**PART ID:**  
**3000**

The ATEX Zone 1 / 21 certified 34 mm ON METAL RFID TAG is a general purpose product and useful in multiple industrial applications to optimize object identification in asset management, machine marking, mobile maintenance and service and all kind of logistics applications. The robust housing in combination with the 4.5 mm mounting hole provides the mounting in hazardous area and perfectly in and on metal environment.

### Main Specifications

Frequencies	<b>LF HF UHF</b>
Material	Polyamid
Operating Temperature	-45°C to 60°C
IP Class	IP68
Compliance	RoHs & Reach, CE
Key Features	Rough Environment, High Durability
Options	Adhesive, Logo, Other Chips On Request



### Full Specifications

Product ID	3000
Atex	yes
On Metal Use	yes
Material	Polyamid
Shape	Overmolded
Long Description	The ATEX Zone 1 / 21 certified 34 mm ON METAL RFID TAG is a general purpose product and useful in multiple industrial applications to optimize object identification in asset management, machine marking, mobile maintenance and service and all kind of logistics applications. The robust housing in combination with the 4.5 mm mounting hole provides the mounting in hazardous area and perfectly in and on metal environment.
Key Features	Rough Environment, High Durability
Options	Adhesive, Logo, Other Chips On Request
Comments	Hole 4.5 mm, Other Color on Request, Adhesive 3M4604
Article Type	DISC TAG
Diameter [mm]	34
Thickness [mm]	6
Weight [g]	7

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Hole	yes
Operating Temp °C (min)	-45
Operating Temp °C (max)	60
Storage Temp °C (min)	-45
Storage Temp °C (max)	60
IP Class	IP68
Chemical Resistance	Not Specified
Flame Resistance	Not Specified
Mechanical Resistance	Not Specified
Attachment Method	Screw/Rivet
Compliance	RoHs & Reach, CE

## VARIANTS AND ICS

ID	Variant	Band	Type	ISO
3000-01-152-00	D34mm,yellow	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
3000-01-260-00	D34mm,yellow	HF	ICODE SLIX	ISO/IEC 15693 & 18000-3
3000-01-263-00	D34mm,yellow	HF	NTAG213	ISO/IEC 14443A & 18000-3
3000-01-349-00	D34mm,yellow	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2
3000-01-266-00	D34mm,yellow	HF	NTAG216	ISO/IEC 14443A & 18000-3
3000-02-152-00	D34mm,black	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
3000-02-260-00	D34mm,black	HF	ICODE SLIX	ISO/IEC 15693 & 18000-3
3000-02-263-00	D34mm,black	HF	NTAG213	ISO/IEC 14443A & 18000-3
3000-02-349-00	D34mm,black	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2
3000-02-266-00	D34mm,black	HF	NTAG216	ISO/IEC 14443A & 18000-3
3000-03-152-00	D34mm,blue	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
3000-03-260-00	D34mm,blue	HF	ICODE SLIX	ISO/IEC 15693 & 18000-3
3000-03-263-00	D34mm,blue	HF	NTAG213	ISO/IEC 14443A & 18000-3
3000-03-349-00	D34mm,blue	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2
3000-03-266-00	D34mm,blue	HF	NTAG216	ISO/IEC 14443A & 18000-3
3000-04-152-00	D34mm,green	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
3000-04-260-00	D34mm,green	HF	ICODE SLIX	ISO/IEC 15693 & 18000-3
3000-04-263-00	D34mm,green	HF	NTAG213	ISO/IEC 14443A & 18000-3
3000-04-349-00	D34mm,green	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2
3000-04-266-00	D34mm,green	HF	NTAG216	ISO/IEC 14443A & 18000-3
3000-05-152-00	D34mm,red	LF	EM4200/Unique	ISO/IEC 11784/85 Compatible
3000-05-260-00	D34mm,red	HF	ICODE SLIX	ISO/IEC 15693 & 18000-3
3000-05-263-00	D34mm,red	HF	NTAG213	ISO/IEC 14443A & 18000-3
3000-05-349-00	D34mm,red	UHF	Higgs 3	ISO 18000-6C / EPC Gen2 V2
3000-05-266-00	D34mm,red	HF	NTAG216	ISO/IEC 14443A & 18000-3

# MultiPEN

## RFID Reader ATEX Zone 1 PEN

**PART ID:**  
**4508**

The MultiPEN is an innovative RFID/NFC handheld reader that enables UIDs of passive RFID TAGs to be read with different frequency range combinations. The MultiPEN makes it possible to transfer read UIDs via Bluetooth to a host computer (tablet, laptop or smartphone). The read UIDs can also be transferred / read into the database of the device memory and transferred to the host computer later via Bluetooth or USB connection. Since a real-time clock is integrated, date and time can be automatically assigned to the read UID. The MultiPEN makes it easier for users to work and makes RFID/NFC applications in maintenance, inventory, guard control systems and logistics processes efficient due to its simple handling. RFID/NFC TAGs that are mounted close to each other or in places that are difficult to access can be easily identified due to the small size of the MultiPEN's reading tip



### Main Specifications

Frequencies	<b>LF</b> HF UHF
Material	Polyamid
Operating Temperature	-20°C to 60°C
IP Class	IP54
Compliance	RoHs & Reach, CE
Key Features	HID/SPP BT Interface, Real-Time Clock, OLED Display, Vibration Feedback

### Full Specifications

Product ID	4508
Name	MultiPEN
Atex	yes
Material	Polyamid
Shape	Short Range
Long Description	The MultiPEN is an innovative RFID/NFC handheld reader that enables UIDs of passive RFID TAGs to be read with different frequency range combinations. The MultiPEN makes it possible to transfer read UIDs via Bluetooth to a host computer (tablet, laptop or smartphone). The read UIDs can also be transferred / read into the database of the device memory and transferred to the host computer later via Bluetooth or USB connection. Since a real-time clock is integrated, date and time can be automatically assigned to the read

	UID. The MultiPEN makes it easier for users to work and makes RFID/NFC applications in maintenance, inventory, guard control systems and logistics processes efficient due to its simple handling. RFID/NFC TAGs that are mounted close to each other or in places that are difficult to access can be easily identified due to the small size of the MultiPEN's reading tip
Key Features	HID/SPP BT Interface, Real-Time Clock, OLED Display, Vibration Feedback
Comments	Including Case And Accessories
Article Type	PEN
Color	Black, Red
Length [mm]	190
Width [mm]	30
Thickness [mm]	35
Weight [g]	125
Anticollision	yes
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&Write
Typical Reading Range	1...3
Supported Standards / Tags	all
Operating Temp °C (min)	-20
Operating Temp °C (max)	60
Storage Temp °C (max)	60
Power Supply	USB
Battery Type	Li-Ion
Battery Capacity	2000 mAh
Operating Frequency	LF
Frequency Range	125 - 134 kHz
Power over Ethernet [PoE]	No
Interfaces Physical	USB/Bluetooth
Interfaces Protocol	ASCII
Transfer rate [Baud]	9600
Display Size	4 Row
Memory Capacity	1000 UID
Display	OLED
Development Tools	SDK
Accessories	yes

## VARIANTS

ID	Variant
4508-01-000-01	LF Read/Write

