

SATO
Powered On Site /



MDR-4343 **Desktop Reader**


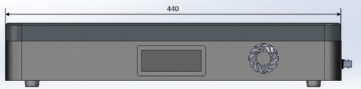
The only RFID technology you don't have to work around

satoeurope.com

MDR-4343 Desktop Reader

The MDR-4343 is a desktop reader with a 3D reading surface for reading all types of deeply stacked PJM tags with 100% accuracy. It includes a patented tag location function for resolving the location of any specific tag in a stack of tagged items. Fan assisted cooling of the reader guarantees that the reading surface temperature is never higher than the ambient room temperature.

The MDR-4343 is designed for diamond and precious gem tracking, pathology sample tracking and blood donation tracking where stacking, high speed and 100% accuracy are essential. It is suitable for any application where tightly packed tagged items need to be read and/or written to at high speed, irrespective of their orientation and with 100% accuracy.

ELECTRICAL		<div><div>✓ Performs read and write operations</div><div>✓ No manual calibration needed</div><div>✓ Automatic tuning</div><div>✓ Readers can be placed in close proximity to one another</div><div>✓ RFID field unaffected by liquids</div><div>✓ Can read tags with as little as 0.1mm separation</div><div>✓ RFID tags can be presented in any orientation</div><div>✓ Safe to use in medical applications</div></div>
Operating Frequency	13.56 MHz	
ISO/IEC Compliance	18000-3 Mode 2	
Command Data Rate	424 kbit/s	
Reply Data Rate per Channel	106 kbit/s	
Number of PJM Reply Channels	2	
Number of Axis	3	
Power Supply	12VDC	
DC Power Supply Connector	2.5 mm DC centre pin positive	
Mains Input	100 - 240 VAC @ 50/60 Hz	
Mains Connector	IEC 320/C14	
Power Consumption	35W	
PERFORMANCE		
RFID field produced	3D	
Operating Range	Marked read/write area	
Line Reading (MLC 6 onwards)	Can identify tags within the marked line reading area	
Fan cooled (MLC 6 onwards)	Cooling fans ensure safety around temperature sensitive biological material	
Identification rate with 100% accuracy	Up to 150 tags/s	
Identify & read 96 bits of data with 100% accuracy	up to 100 tags/s	
Identify, write & read 96 bits of data with 100% accuracy	up to 50 tags/s	
HOST		
Host Interface	USB and Ethernet (Ethernet cable must be shielded (CAT 5/6)	
Host Computer	Windows 10 or later	
SOFTWARE		
Firmware Reader Server	3.48.7 or later	
ENVIRONMENT		
Operation environment	Indoor use	
Temperature Range	0°C to +45°C	
Humidity	10% to 80% (non-condensing)	
CERTIFICATIONS		
USA	Complies with FCC Part 15 Low Power Communication Device	
Australia	AS/NZS CISPR 32(2015), EN55022, AS/NZS 4268 (2017), AS/NZS 60950, RPS3 (ARPANSA), RCM	
Europe (CE Mark)	EN55022 Class B, EN 301 489-1 V1.6.1, EN 301 489-3 V1.4.1,EN 61000-3-2, EN 61000-3-3, EN 61000-4-2, EN 61000-4-4,EN61000-4-5,EN 1000-4-6,EN 61000-4-11, EN 60950.1,EN 300 330 V2.1.1,EN50364, EN50357, ROHS	
Japan	MIC/KS: AC-15047.	
India	App NO: NR-ETA/2066	
MECHANICAL		
External Dimensions (L x W x H)	440 x 294 x 84 mm	
Net Weight	6.75 Kg	
Net Volume	0.0109 m³	
Shipping Dimensions (L x W x H)	525 x 355 x 155 mm	
Shipping Weight	8.16 Kg	
Shipping Volume	0.0289 m³	
<div><div></div><div></div></div>		
<div>Dimensions (mm) Back view</div> <div>Dimensions (mm) Side view</div>		