
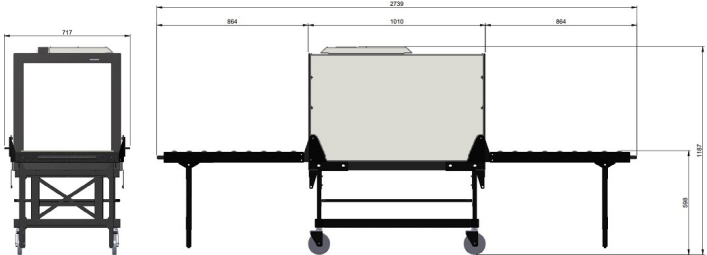


MSTRP-5050 Tunnel Reader

The MSTRP-5050 PJM RFID Tunnel Reader is SATO's flagship Reader with the ability to read and/or encode any number of closely stacked tags at high speed in any orientation. The class leading design is rugged enough to be used in any environment from warehousing to high speed conveyor fed systems yet sophisticated enough to be placed in hospital CSSD departments.

The electronic shielding employed in the design & construction of the MSTRP-5050 reader ensure its suitability for use in most environments including Healthcare, where sensitive equipment may be present – It is even safe enough to be used in hospital operating theatres.

As with all of SATO's PJM RFID readers the MSTRP-5050 provides 100% read accuracy and is supplied with SATO's Reader Manager Software which provides an easy to use platform for reader setup, configuration and testing, ensuring the reader is setup & ready to work with your application in virtually no time.

Electrical		Certifications	
Operating Frequency	13.56 MHz	USA	Complies with FCC Part 15 Low Power Communication Device
ISO/IEC Compliance	18000-3 Mode 2		
Command Data Rate	424 kbit/s	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, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, EN 60950.1, EN 300 330-1 V1.3.1, EN 300 330-2 V1.3.1, EN 50364, EN50357, ROHS
Reply Data Rate per Channel	106 kbit/s		
Number of PJM Reply Channels	8		
Number of Axes	3		
Operating Range	Internal Volume		
Antenna Cable Length	N/A	Australia	AS/NZS CISPR 22(2006), EN55022, AS/NZS 4268 (2003), AS/NZS 60950, RPS3 (ARPANSA), RCM
Dedicated I/O	N/A		
Power Supply	15VDC		
DC Power Supply Connector	2.5 mm DC centre pin positive	Singapore (IDA)	Registration Number: N0422-15
I/O Connector	N/A	Japan (MIC/KS)	MIC/KS:ac-14010
Mains Input	110 - 240 VAC @ 50/60 Hz	General	
Mains Connector	IEC 320/C14	Read and write operations	
Power Consumption	75W	No manual calibration needed	
Performance		Automatic tuning	
Tag Type	See Tag Reference Table	Readers can be placed in close proximity to one another	
Identification rate at 100% accuracy	Up to 600 tags/s	Readers are completely safe to use in medical installations	
Identify & read 96 bits data at 100% accuracy	Up to 250 tags/s		
Identify, write & read back 96 bits data at 100% accuracy	Up to 50 tags/s		
Host			
Host Interface	USB and Ethernet (Ethernet Cable must be CAT 5 and shielded)	Figure 1. Dimensions (mm) front view	
Minimum Host Computer	Windows 7	Figure 2. Dimensions (mm) side view	
Software		Figure 3. Dimensions (mm) with optional conveyor	
Minimum Firmware Reader Server	Version 3.42.8		
Environmental			
Operation Environment	Indoor use		
Temperature Range	10°C to +45°C		
Humidity (non- condensing)	10% to 80%		
Mechanical			
External Dimensions (L x W x H)	1010 X 613 X 694 mm		
Internal Aperture	500 X 500 mm		
Net Weight	120 kg		
Net Volume	0.44 m ³		
Shipping Dimensions (L x W x H)	1150 x 770 x 1080 mm		
Shipping Weight	180 kg		
Shipping Volume	0.96 m ³		