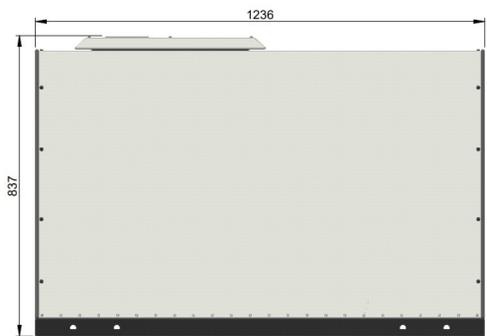


# MSTRP-6464 Tunnel Reader

The MSTRP-6464 PJM RFID Tunnel Reader is part of SATO's flagship MSTRP Reader series 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 where the large opening and high data rates are highly desirable yet sophisticated enough to be placed in hospital CSSD departments.

The electronic shielding employed in the design & construction of the MSTRP-6464 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-6464 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	Europe (CE Mark)	EN55022 Class B, EN 301 489-1 V2.1.1, EN 301 489-3 V2.1.1, 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
Command Data Rate	424 kbit/s	Australia	AS/NZS CISPR 22(2006), EN55022, AS/NZS 4268 (2003), AS/NZS 60950, RPS3 (ARPANSA), RCM
Reply Data Rate per Channel	106 kbit/s	Singapore	Registration Number: N0424-15
Number of PJM Reply Channels	8	Malaysia (SIRIM)	AN: RALI/25C/0615/S(15-1734)
Number of Axes	3	Environmental	
Operating Range	Internal Volume	Operation environment	Indoor use
Power Supply	15VDC	Temperature Range	+10°C to +45°C
DC Power Supply Connector	2.5 mm DC centre pin positive	Humidity	10% to 80% (non-condensing)
Mains Input	110 - 240 VAC @ 50/60 Hz	Dimensions (mm)	
Mains Connector	IEC 320/C14		
Power Consumption	75W		
Performance			
RFID field produced	3D		
Identification rate with 100% accuracy	Up to 600 tags/s	<p>Figure 1. Front View</p>	
Identify & read 96 bits data with 100% accuracy	up to 250 tags/s		
Identify, write & read back 96 bits data with 100% accuracy	up to 50 tags/s	<p>Figure 2. Side View</p>	
Host			
Host Interface	USB and Ethernet (Ethernet cable must be shielded (CAT 5/6))		
Host Computer	Windows 7 or later		
Software			
Firmware Reader Server	3.42.8 or later		
Mechanical			
External Dimensions (L x W x H)	1236 x 753 x 834 mm		
Internal Aperture	640 x 640 mm		
Net Weight	180 kg		
Net Volume	0.78m <sup>3</sup>		
Shipping Dimensions (L x W x H)	1420 x 920 x 1170 mm		
Shipping Weight	260 kg		
Shipping Volume	2.48 m <sup>3</sup>		
General			
Performs read and write operations ✓			
No manual calibration needed ✓			
Automatic tuning ✓			
Readers can be placed in close proximity to one another ✓			
RFID field unaffected by liquids ✓			
Can read tags with as little as 0.1mm separation ✓			
RFID tags can be presented in any orientation ✓			
Safe to use in medical applications ✓			