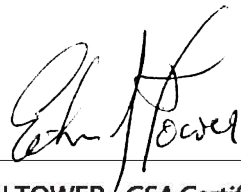# Certificate of Compliance

Awarded to:

Nidec Sankyo Corporation

**For 3490-01D, Sankyo MCM252-2R1191
Card Reader Firmware**

The above product was GSA Certified on January 14, 2014, found compliant with GSA standard GDS Card Reader Communication Protocol v1.2 as detailed in the attached Certificate Record

ETHAN TOWER - *GSA Certification Authority*

GSACT20140114001

GAMING STANDARDS ™

ASSOCIATION

✔ GSA CERTIFIED

GSA Product Certification Record

Manufacturer	Nidec Sankyo Corporation
Product Name	Sankyo MCM252-2R1191 Card Reader Firmware
Product MPI	3490-01D
Certification Basis	[X] Conformance Testing [ ] Self-Determination
Testing Laboratory	Gaming Laboratories International, LLC
Testing Completed	01/03/2014
GSA Standard	GDS Card Reader Communication Protocol v1.2
Product Status	[X] Certified [ ] Not Certified
Effective Date	01/14/2014
Verified Faults	None

The product identified above has been certified as compliant with the GSA Standard listed above to the extent indicated for each functional group listed below. Some functional groups may be fully compliant. Other functional groups may not be fully compliant and may contain defects or restrictions. Any such defects or restrictions are listed with those functional groups. Some functional groups may not have been tested at all. For the most current information on this product certification, go to the GSA Certified Product Registry on the GSA web site and search for this record using the product MPI shown above.

Functional Group			Compliant	Not Compliant	Not Tested
Report ID	Name	Supported			
0x02	Enable	Yes	X		
0x03	Disable	Yes	X		
0x04	Self Test	Yes	X		
0x05	Request GAT Report	Yes	X		
0x08	Calculate CRC	Yes	X		
0x5A	Get CRD Config	Yes	X		
0x5B	Read Card Data	Yes	X		
0x5C	Get ATR	No	X		
0x5D	Transfer to ICC	No	X		

Functional Group			Compliant	Not Compliant	Not Tested
Report ID	**Name**	**Supported**			
0x5E	Release Latch NOTE: The device does not generate a 0x66 Error Data report with error code 03 as required by GSATB-84. Instead, no response is returned to this command.	No		X	
0x5F	Light Control	No	X		
0x60	Clear Buffer NOTE: Provided that the Clear Buffer command is not used by the host, the device complies with the requirements in GSATB-82 as a forward read only device. When the Clear Buffer command is used by the host, the device behavior differs from what is required by GSATB-82. This product can read magnetic data in both directions: forward and reverse. Details for each direction are as follows. 1. When used as a forward read only device: The read data is automatically buffered. Clear Buffer command shall not be sent. 2. When used as a reverse read only device: Clear buffer command shall be sent every time the card is fully inserted. 3. When used as both a forward read and reverse read device: Clear Buffer command shall be sent every time the card is fully inserted and pulled out.	Yes		X	
0x61	Get Count Status	Yes	X		

Functional Group			Compliant	Not Compliant	Not Tested
Report ID	**Name**	**Supported**			
0x68	Latch Mode NOTE: The device does not generate a 0x66 Error Data report with error code 03 as required by GSATB-84. Instead, no response is returned to this command.	No		X	

Functional Group			Compliant	Not Compliant	Not Tested
Report ID	**Event**	**Supported**			
0x06	Power Status	No	X		
0x07	GAT Data	Yes	X		
0x09	CRC Data	Yes	X		
0x0A	Device State	Yes	X		
0x62	Failure Status	Yes	X		
0x63	CRD Configuration Data	Yes	X		
0x64	Card Status	Yes	X		
0x65	Card Data	Yes	X		
0x66	Error Data	Yes	X		
0x67	Count Status	Yes	X		