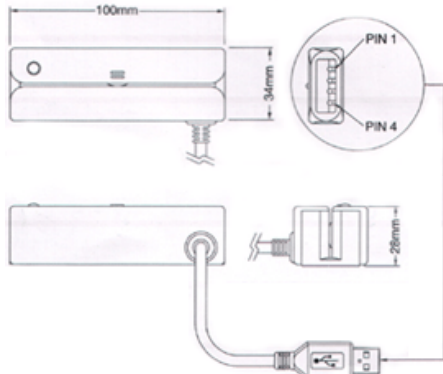


## MSR120/MSR200U (USB) Series

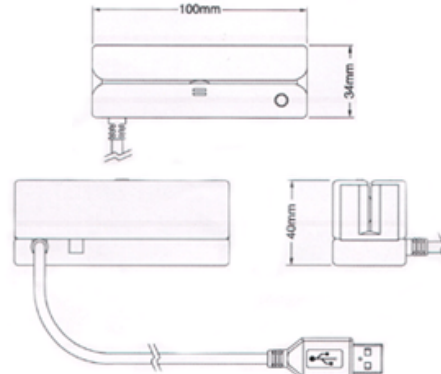
### USB Magnetic Stripe Card Readers



**MSR120 Series**



**MSR200U Series**



Specification							
<b>Electrical</b>							
Power Requirement	+5VDC $\pm$ 10% from USB Port						
Consumption	98mA max. in normal condition						
Communication	Standard RS232 to USB interface						
<b>Mechanical</b>							
Body Material	ABS 94V-0						
Dimension	100x34x28mm						
Weight	Approx. 120g						
Connector	USB series "A" plugs						
Card Handling Method	Manual, swipe Bi-directional						
<b>Environment</b>							
Operating	-10 to 55°C, 10 to 90% humidity						
Storage	-30 to 70°C, 10 to 90% humidity						
<b>Agency approval</b>							
FCC/CE class A, UL, cUL							
<b>Performance</b>							
Read card	ISO7810, 7811/1-6, AAMVA, custom data						
Coercive force	Read 300-4000 Oe Magnetic Stripe card						
Read speed	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>STD card</td> <td>jitter <math>\pm</math> 15%</td> <td>Amp60%</td> </tr> <tr> <td>5-55ps</td> <td>5-50ps</td> <td>5-50ps</td> </tr> </table>	STD card	jitter $\pm$ 15%	Amp60%	5-55ps	5-50ps	5-50ps
STD card	jitter $\pm$ 15%	Amp60%					
5-55ps	5-50ps	5-50ps					
Card thickness	0.76-1.2mm						
Read Error rate	< 0.5%						
Head life	500K swipes, 1M life head available						

Specification							
<b>Electrical</b>							
Power Requirement	+5VDC $\pm$ 10% from USB Port						
Consumption	98mA max. in normal condition						
Communication	Keyboard simulated to USB interface						
<b>Mechanical</b>							
Body Material	ABS 94V-0						
Dimension	100x34x40mm						
Weight	Approx. 200g						
Connector	USB series "A" plugs						
Card Handling Method	Manual, swipe Bi-directional						
<b>Environment</b>							
Operating	-10 to 55°C, 10 to 90% humidity						
Storage	-30 to 70°C, 10 to 90% humidity						
<b>Agency approval</b>							
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