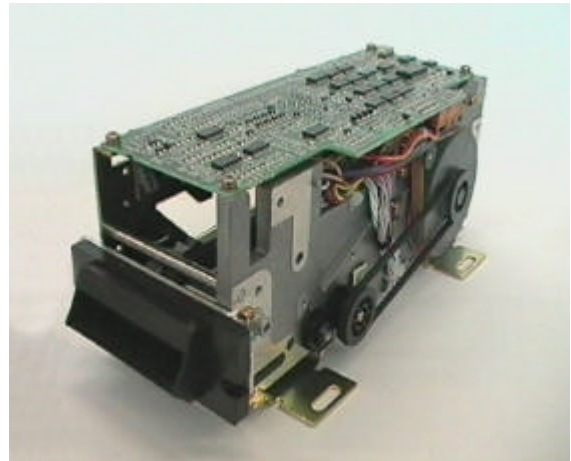

Motor Driven Hybrid Card Reader/Writer	3S4YR-MKW-PC
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**Reliably Handles Read/Write Functions
for Magnetic and IC Cards**

- Metal shutter prevents tampering and incorrect card insertion.
- Durable 4-wheel, 2-belt drive.
- Roller and reader accommodates discrepancies in card thickness to accept warped or bent cards.
- Compact size and light weight allows easy installation in any terminal.
- Software-driven read/write function allows recognition of any type of ISO track.
- Watermark card reading capability.
- HiCo read/write capability available.
- TTL interface or RS232 interface.
- IC card acceptor.



Ordering Information

Track read(R)/write(W)			Shutter function		IC card function		Part number
Track 1	Track 2	Track 3	Built in	Upgradeable	Built in	Upgradeable	
R/W	R/W	R/W	No	Yes	No	Yes	3S4YR-MKW1PC
R/W	-	-	No	Yes	No	Yes	3S4YR-MKW3PC
-	R/W	-	No	Yes	No	Yes	3S4YR-MKW4PC
-	-	R/W	No	Yes	No	Yes	3S4YR-MKW5PC
R/W	R/W	-	No	Yes	No	Yes	3S4YR-MKW6PC
-	R/W	R/W	No	Yes	No	Yes	3S4YR-MKW7PC
R/W HiCo	R/W HiCo	R/W HiCo	No	Yes	No	Yes	3S4YR-MKW1PCH
-	R/W HiCo	-	No	Yes	No	Yes	3S4YR-MKW4PC

■ Options

Consult Omron Electronics Ltd for the following options:

- HiCo is available for most types
- MM sensor and watermark detection can be factory-installed
- RS232 Interface
- Magnetic card detection shutter
- IC card acceptor
- Complete encoding stations

Specifications

Part number <TH3S4YR-MKW-PC	
Recommended card type	Magnetic card: ISO 7810-7813 IC card: ISO 7816/1,2
Number of tracks	1, 2 or 3; available in many combinations, see "Ordering Information"
Recording method	F2F
Recording density	Track 1: 210 BPI Track 2: 75 BPI Track 3: 210 BPI
Memory capacity	Track 1: 7 bit x 79 characters max. Track 2: 5 bit x 40 characters max. Track 3: 5 bit x 107 characters max.
Card feeding speed	20 cm/second ± 10%
Motor type	DC motor
Service life	1,200,000 passes min.
Operating power supply	
Amplifier	+24 VDC ± 10%
Motor	+24 VDC ± 10%
Control Logic	+5 VDC ± 10%
Current consumption	
Amplifier	260 mA max.
Motor	1,700 mA max.
Control Logic	330 mA max.

Mounting location	Anywhere not directly subject to water or rain
Ambient temperature	
Operation	-5° C to 55° C
Storage	-25° C to 70° C
Ambient humidity	
Operation	45% to 85% RH without condensation
Storage	30% to 90% RH
Vibration	10 to 55 Hz, 2 mm double amplitude, for 30 minutes in X, Y and Z directions
Shock	300 m/sec ² (30 G) in each of X, Y and Z directions
Dimensions	
With shutter	247 L x 106 W x 92 H mm
Without shutter	222 L x 98 W x 92 H mm
Weight	Approx. 1.9 Kg (4.2 lbs.) when fully equipped

Application Examples

- Cash dispensers
- Automatic teller machines (ATM)
- POS terminals
- Credit card checkers
- Petrol vending systems
- ID card checkers
- Electronic lock system
- Medical patient system
- Health control system
- Customer loyalty schemes