

# Access Readers

Multiple design fulfill with different demand

AR-661U

AR-721K



AR-725U/  
AR-725U-M

AR-725K/  
AR-725K-M

AR-721U  
AR-737H/U

AR-331K  
AR-331U



Comprehensive

▶ Flexible to integrate with any access control system

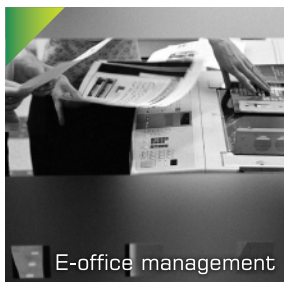
▶ Built-in Watchdog to prevent system from hanging

▶ Fashion streamlined shape

▶ Support to WG and ABA-II output

▶ Built-in Anti-Tamper functions

▶ Protection against dust and water



E-office management



Lift Control



Parking Management



Anti-pass back

**SOYAL**® RFID solutions • Proximity & Smart cards  
ACCESS CONTROL SYSTEM Hardware & Software OEM/ODM Service

FC CE MA RoHS Compliant SOR

# Access Readers AR-331U/AR-661U/AR-721U/AR-737HU AR-725U/AR-331K/AR-721K/AR-725K

## Specification

Long Range  
Proximity Reader  
AR-661U



Proximity Reader  
AR-721U



Proximity Reader  
AR-737H/U



Keypad Reader  
AR-721K



Frequency	125kHz	125kHz	13.56MHz	125kHz	13.56MHz	125kHz	13.56MHz
Power Supply	12-16VDC	9-16VDC		9-16VDC		9-16VDC	10-24VDC
Standard	EM Standard	EM Standard	·ISO14443A (Optional) ·ISO15693 ·DESFire ·PSAM ·NFC	EM Standard	·ISO14443A (Optional) ·ISO15693 ·DESFire ·PSAM ·NFC	EM Standard	·ISO14443A (Optional) ·ISO15693 ·DESFire ·PSAM ·NFC
Reading Range (Depends on Tags)	33-60cm	6-12cm	3-8cm	10-20cm	3-8cm	10-18cm	3-8cm
Read/Write	Read Only	Read Only	Read/Write	Read Only	Read/Write	Read Only	Read/Write
Power consumption	<3W	<1W		<1W		<1W	
Interface	Wiegand, ABA-II, ASYNC	Wiegand, ABA-II, ASYNC		RS-485(737H Only) Wiegand, ABA-II, ASYNC(737U)	Wiegand, ABA-II, ASYNC		
Baud Rate	9600 bps(N,8,1)	9600 bps(N,8,1)		9600 bps(N,8,1)		9600 bps(N,8,1)	
Temperature	-20°C to +60°C	-20°C to +60°C		-20°C to +60°C		-20°C to +60°C	
Keypad	No	No		No		Yes	
Indicator	3 LED & 1 Beeper	1 Bi-color LED & 1 Beeper		1 Bi-color LED & 1 Beeper		1 Bi-color LED & 1 Beeper	
Waterproof	IP56	IP56(Optional)		IP56(Optional)		No	
Housing Material	ABS	ABS		ABS		ABS	
Color	Gray	Black/Gray/Silver (Option)White/Blue/Green/Yellow/Orange/Red		Gray		Gray/Silver	
Dimension(mm)	228(L)X228(W)X38(H)	81(L)X43(W)X18(H)		113(L)X71(W)X36(H)		111(L)X77(W)X26(H)	
Weight(g)	1000±50	40±10		80±10		90±10	

Metal Reader  
AR-331U



Metal Reader  
with Illuminated Touch-panel  
AR-331K



Proximity Reader  
AR-725U  
AR-725U-M



Keypad Reader  
with Illuminated Touch-panel  
AR-725K  
AR-725K-M



Frequency	125kHz	13.56MHz	125kHz	13.56MHz	125kHz	13.56MHz	125kHz	13.56MHz
Power Supply	9-16VDC		9-16VDC		9-16VDC		9-16VDC	
Standard	EM Standard	·ISO14443A (Optional) ·ISO15693 ·DESFire ·PSAM ·NFC	EM Standard	·ISO14443A (Optional) ·ISO15693 ·DESFire ·PSAM ·NFC	EM Standard	·ISO14443A (Optional) ·ISO15693 ·DESFire ·PSAM ·NFC	EM Standard	·ISO14443A (Optional) ·ISO15693 ·DESFire ·PSAM ·NFC
Reading Range (Depends on Tags)	3-7cm	1-3cm	3-7cm	1-3cm	5-15cm(725U) 5-8cm(725U-M)	3-8cm(725U) 3-5cm(725U-M)	5-15cm(725K) 5-8cm(725K-M)	3-8cm(725K) 3-5cm(725K-M)
Read/Write	Read Only	Read/Write	Read Only	Read/Write	Read Only	Read/Write	Read Only	Read/Write
Power consumption	<1W		<1W		<1W		<1W	
Interface	Wiegand, ABA-II, ASYNC		Wiegand, ABA-II, ASYNC		Wiegand, ABA-II, ASYNC		Wiegand, ABA-II, ASYNC	
Baud Rate	9600 bps(N,8,1)		9600 bps(N,8,1)		9600 bps(N,8,1)		9600 bps(N,8,1)	
Temperature	-20°C to +60°C		-20°C to +60°C		-20°C to +60°C		-20°C to +60°C	
Keypad	No		Illuminated Touch-panel		No		Illuminated Touch-panel	
Indicator	2 LED & 1 Beeper		2 LED & 1 Beeper		3 LED & 1 Beeper		1 Bi-color LED & 1 Beeper	
Waterproof	IP56		IP56		IP55		IP55	
Housing Material	Zinc Alloy		Zinc Alloy		Zinc Alloy+PC(725U-M) / PC(725U)		Zinc Alloy+PC(725K-M) / PC(725K)	
Color	Chrome		Chrome		Black/Gray/Silver (Option)White/Blue/Green/Yellow/Orange/Red		Black/Gray/Silver (Option)White/Blue/Green/Yellow/Orange/Red	
Dimension(mm)	154(L)X51(W)X21(H)		154(L)X51(W)X21(H)		79(L)X110(W)X26(H) (725U) 125(L)X89(W)X30(H) (725U-M)		79(L)X110(W)X26(H) (725K) 125(L)X89(W)X30(H) (725K-M)	
Weight(g)	270±10		270±10		150±10(725U) / 400±10(725U-M)		150±10(725K) / 400±10(725K-M)	

## Structure

