

# Metal Access Controller

AR-331E • AR-331E(S) • AR-331EF • AR-331EF(S) • AR-331K/U



Access Controller ▶  
AR-331E-S  
AR-331H-S  
AR-331U

◀ Fingerprint Access Controller  
AR-331EF(S)

▲ Access Controller ▲ Fingerprint Access Controller  
AR-331E/AR-331H/  
AR-331K AR-331EF



**Weatherproof**  
AR-331E(S)/AR-331EF(S)/  
AR-331H(S)/AR-331K/  
AR-331U



**Metal Frame**  
AR-331E(S)/AR-331EF(S)/  
AR-331H(S)/AR-331K/  
AR-331U



**Card/PIN/FP**  
AR-331E(S)/AR-331H(S)/  
AR-331EF(S)/AR-331K/  
AR-331U



**Absorber Relay**  
AR-331E(S)/AR-331EF(S)/  
AR-331H(S)



**Illuminated Touch-Panel**  
AR-331E/AR-331H/  
AR-331EF/AR-331K



**Alarm**  
AR-331E(S)/AR-331EF(S)/  
AR-331H(S)



# Slim Type Access Controller(Fingerprint)/ Wiegand Reader(keypanel)

## AR-331E • AR-331E(S) • AR-331EF • AR-331EF(S) • AR-331K/U

Access Controller with  
Touch-panel Metal Housing  
**AR-331H/331H(S)**



Frequency	125kHz	13.56MHz
Standard	EM Standard	·ISO14443A ·DESFire Customization ·ISO15693 ·FeliCa™ ·NFC
Reading Range (Depending on tag or card)	3-7 cm	1-3 cm
Power Consumption	<5W	
Communication Interface	RS-485/9600 bps(N,8,1)	
Ethernet	None / AR-727CM (Option)	
Serial Port	TTL*1 (4800)	
Digital Input	1 Egress(R.T.E.) / 1 Door contact	
Operating Temperature	-20 °C to +60 °C	
Relay Output	Lock Relay,ON/OFF 0.1-600 Sec.	
Transistor Output	Arming LED(for Security trigger signal)/WG Lock /Alarm/Duress	
Tamper Switch	Limit Switch(Form C)	
Alarm Time	Toggle, 1-600 Sec.	
User Capacity	3,000(Card/PIN User)/ 500(FP User and each with 3 templates)	
Event Log	1,500	
External Reader	1 Wiegand Port	
Anti-pass-back	Yes	
Lift Control	32 Floors, 3,000 Users	
Time Zone	11	
Power Supply	12VDC	
Indicator	2LED & 1Beeper	
Real Time Clock	Yes	
Keypad Material	Illuminated Touch-Panel	
Housing Material	PC&Zinc Alloy/PC Frame(By order)	
Color	Chrome	
Dimension(mm)	158(L)X55(W)X30(H)	
Weight(g)	211±10(Zinc Alloy Frame)/105±10(PC Frame)	
Ingress Protection	IP56	

Fingerprint LCD Access Controller  
**AR-331EF/331EF(S)**



Frequency	125kHz	13.56MHz
Standard	EM Standard	·ISO14443A ·ISO15693 ·DESFire ·FeliCa™ ·NFC
Reading Range (Depending on tag or card)	3-7 cm	1-3 cm
Power Consumption	<5W	
Communication Interface	RS-485/9600 bps(N,8,1)	
Ethernet	10/100M Base T Module(Optional)	
Serial Port	UART X 2 ( TTL 4800~115200)	
Digital Input	2 Egress(R.T.E.) / 2 Door contact	
Operating Temperature	331E: -20 °C to +60 °C	331EF: 0 °C to +60 °C
Relay Output	Lock Relay,ON/OFF 0.1-600 Sec.	
Transistor Output	Arming LED(for Security trigger signal)/WG Lock /Alarm/Duress	
Tamper Switch	Limit Switch(Form C)	
Alarm Time	Toggle, 1-600 Sec.	
User Capacity	16,000(Card/PIN User)/ 500(FP User and each with 3 templates)	
Event Log	32,000	
External Reader	1 Wiegand Port	
Anti-pass-back	Yes	
Lift Control	64 Floors, 16,000 Users	
Time Zone	63	
Power Supply	12VDC	
Indicator	2LED & 1Beeper	
Real Time Clock	Yes	
Keypad Material	Illuminated Touch-Panel	
Housing Material	PC&Zinc Alloy/PC Frame(By order)	
Color	Chrome	
Dimension(mm)	158(L)X55(W)X30(H)	
Weight(g)	216±10(Zinc Alloy Frame)/110±10(PC Frame)	
Fingerprint Type CPU	Optical Sensor	
ERR	<0.001%	
Fingerprint User	1,500(500 Users)	
Auth. Speed (1:1000)	<1.5 Sec.	
Ingress Protection	IP56	

Wiegand Reader  
with/without Illuminated Touch-panel  
**AR-331K/U**



Frequency	125kHz	13.56MHz
Standard	EM Standard	·ISO14443A ·DESFire ·ISO15693 ·NFC ·PSAM Customization
Reading Range (Depending on tag or card)	3-7 cm	1-3 cm
Read/Write	Read Only	Read/Write
Power Supply	9-16VDC	
Communication Interface	Wiegand, ABA-II, ASYNC	
Baud Rate	9600 bps(N,8,1)	
Power Consumption	<1W	
Temperature	-20 °C to +60 °C	
Keypad Material	K:Illuminated Touch-Panel / U: NO	
Indicator	2 LED & 1 Beeper	
Ingress Protection	IP56	
Housing Material	Zinc Alloy	
Color	Chrome	
Dimension(mm)	158(L)X55(W)X30(H)	
Weight(g)	211±10(Zinc Alloy Frame)/105±10(PC Frame)	

### Dimension(mm)

