Smart Card Reader (*AST-R12/AST-R12F*)

AST-R12 series is a contactless smart card reader.　The reader adopts the widely recognized ISO14443 smart card technology. It provides high reliability, fast response time and low power consumption for a wide range access control system.

The reader provides glass frame cover to increase the durability and is easy for cleaning.　It has built in bi-color LED and Buzzer to provide visible and audio alert for users.

Features

- Built in dual color light pipe
- Built in Buzzer
- Support ISO14443 Type A, B, ISO18092 Smart Card
- Up to 7cm Reading Range

Specifications

	AST-R12	AST-R12S	AST-R12F	AST-R12FS
Card Interface				
Operate Frequency	ISO 14443 Type A , 13.56MHz		ISO 14443 Type A, B, ISO18092 , 13.56MHz	
Card Type	Mifare Series, Mifare Plus		Mifare, Mifare Plus, Desfire, Felica and etc	
Read Range	Up to 7cm		Up to 7cm	
Response Time	0.1s		0.2s	
Interface				
Communication	Wiegand 34 Bits	RS485 Interface (19200,8,n,1)	Wiegand 34/64 Bits	RS485 Interface (19200,8,n,1)
LED Control	Yes		Yes	
Buzzer Control	Yes		Yes	
General				
Power	12V / 150mA			
Working Environment	-10℃ to 50℃ 10% to 90% RH			
Color	Glass Surface with Black or White Color			
Dimensions	86mm x 86mm x 11mm (Flush Mount) / 86mm x 86mm x 22mm (Surface Mount)			