













Pongee Industries Co., Ltd.

LF RFID Read Module - EM Series

20250213

Compatibility	Dimension(mm)	Model No. (best-seller)	Features	Datasheet
EM4001, EM4100, EM 4102, TEMIC 5557 or compatible	 40.5x24x11	PIEM-AWAS-012A	•Micro Power •With internal antenna •Support Wiegand 26bits/ABA/ASCII •Reading Range: Max. 13cm •Power Voltage: DC5.5~18V •Standby current 11mA	Download
		PIEM-AWAS-NEU1	•With internal antenna •Support Wiegand26bits/ABA/ASCII •Reading Range: Max. 11cm •Power Voltage: DC4.5~5.5V	Download
EM4001, EM4100, EM 4102, TEMIC 5557 or compatible	 26.5x16.5x7	PXEM-BWS-01	•Without internal antenna (Requires external 700μH±10% antenna) •Support Wiegand 26bits/ASCII •Reading Range: Depending on antenna size •Power Voltage: DC5V	Download
		PXEM-BWS-01C	•Without internal antenna (Requires external 700μH±10% antenna) •Support Wiegand 26bits/ASCII •The card continued to present •Reading Range: Depending on antenna size •Power Voltage: DC5V	Download
		 PXEM-BWS-02	•Without internal antenna (Requires external 450μH±10% antenna) •Support Wiegand 26bits/ASCII •Reading Range: Depending on antenna size •Power Voltage: DC5V	Download
		PXEM-BWS-02C	•Without internal antenna (Requires external 450μH±10% antenna) •Support Wiegand 26bits/ASCII •The card continued to present •Reading Range: Depending on antenna size •Power Voltage: DC5V	Download
		PXEM-BWS-ISS	•Without internal antenna (Requires external 700μH±10% antenna) •Support Wiegand 26bits/ASCII •PIN 7 - Reset function •Reading Range: Depending on antenna size •Power Voltage: DC5V	Download
		PXEM-BWS-ISSC	•Without internal antenna (Requires external 700μH±10% antenna) •Support Wiegand 26bits/ASCII •PIN 7 - Reset function •The card continued to present •Reading Range: Depending on antenna size •Power Voltage: DC5V	Download
EM4001, EM4100, EM 4102, TEMIC 5557 or compatible	 40x40x10	PIEM-CWAS	•With internal antenna •Support Wiegand 26bits/ABA/ASCII •Reading Range: Max. 16cm •Power Voltage: DC4.6~5.4V	Download
		PXEM-CWAS	•Without internal antenna (Requires external 450μH±10% antenna) •Support Wiegand 26bits/ABA/ASCII •Reading Range: Depending on antenna size •Power Voltage: DC4.6~5.4V	Download
EM4001, EM4100, EM 4102, TEMIC 5557 or compatible	 26(Diameter)x9	PIEM-ES-SEA1	•With internal antenna •Support ASCII(Hexadecimal, 40 bits / Hexadecimal, 80 bits) •Reading Range: Max. 5cm •Power Voltage: DC3.3~5V	Download
		PIEM-EWS	•With internal antenna •Support Wiegand 26bits/ASCII •Reading Range: Max. 5cm •Power Voltage: DC5V	Download
		PIEM-EWS-12V	•With internal antenna •Support Wiegand 26bits/ASCII •Reading Range: Max. 5cm •Power Voltage: DC5~12V	Download
		PIEM-EWS-10H42	•With internal antenna •Support Wiegand 26bits/ASCII, Hexadecimal, 12 digits •The card continued to present •Reading Range: Max. 3cm •Power Voltage: DC5V	Download
EM4001, EM4100, EM 4102, TEMIC 5557 or compatible	 26x25x7	PIEM-FS-SEA1	•With internal antenna •Support ASCII(Hexadecimal, 40 bits / Hexadecimal, 80 bits) •Reading Range: Max. 7cm •Power Voltage: DC4.6~5.4V	Download
		PIEM-FW34AS	•With internal antenna •Support Wiegand 34bits/ABA/ASCII •Reading Range: Max. 11.5cm •Power Voltage: DC4.6~5.4V	Download
		PIEM-FW34AS-LW1	•Micro Power •With internal antenna •Support Wiegand 34bits/ABA/ASCII •1 second card reading •Reading Range: Max. 9cm •Power Voltage: DC5V •Standby current 7mA	Download
		 PIEM-FWAS	•With internal antenna •Support Wiegand 26bits/ABA/ASCII •Reading Range: Max. 12cm •Power Voltage: DC3.7~5.4V	Download
		PIEM-FWAS04	•With internal antenna •Support Wiegand 26bits/ABA/ASCII •Reading Range: Max. 9cm •Power Voltage: DC3.7~5.4V	Download
		PIEM-FWAS-12V	•With internal antenna •Support Wiegand 26bits/ABA/ASCII •Reading Range: Max. 11.5cm •Power Voltage: DC12V	Download
		 PIEM-FWAS-LB	•With internal antenna •Support Wiegand 26bits/ABA/ASCII •Reading Range: Max. 12cm •Power Voltage: DC3.7~5.4V •PIN2: Power reset can be performed when Pull low	Download
		PIEM-FWAS-SD	•With internal antenna •Support Wiegand 26bits/ABA/ASCII •Reading Range: Depending on antenna size •Power Voltage: DC3.3~5.4V •When the card is presented, a HI potential is sent out, and it returns to the LO potential when the card is removed	Download
		 PXEM-FWAS	•Without internal antenna (Requires external 450μH±10% antenna) •Support Wiegand 26bits/ABA/ASCII •Reading Range: Depending on antenna size •Power Voltage: DC3.7~5.4V	Download
		PXEM-FWAS-LB	•With internal antenna •Support Wiegand 26bits/ABA/ASCII •Reading Range: Depending on antenna size •Power Voltage: DC3.7~5.4V •PIN2: Power reset can be performed when Pull low	Download
		PXEM-FWAS-JST	•Without internal antenna (Requires external 450μH±10% antenna) •Support Wiegand 26bits/ABA/ASCII •Reading Range: Depending on antenna size •Power Voltage: DC3.7~5.4 •TTL : After powering on, the card number will be sent after 700ms and then the card number will be sent after 50ms	Download
EM4001, EM4100, EM 4102, TEMIC 5557 or compatible	 32x32x8	PIEM-HWS-LW	•Micro Power •With internal antenna •Support Wiegand 26/34bits/ASCII •Reading Range: Max. 3.5cm •Power Voltage: DC3.3~10V •Standby current 11μA~18μA	Download