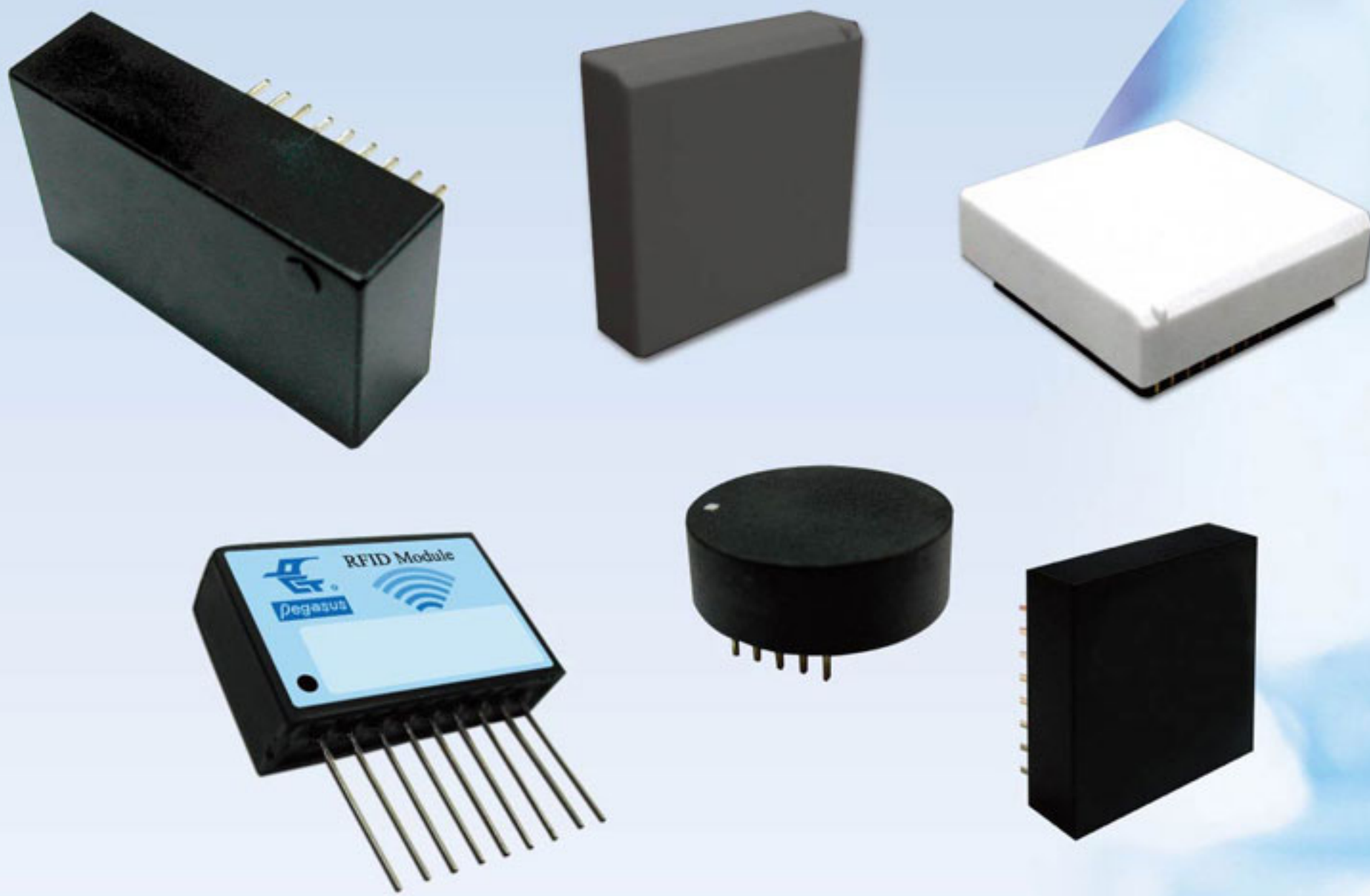
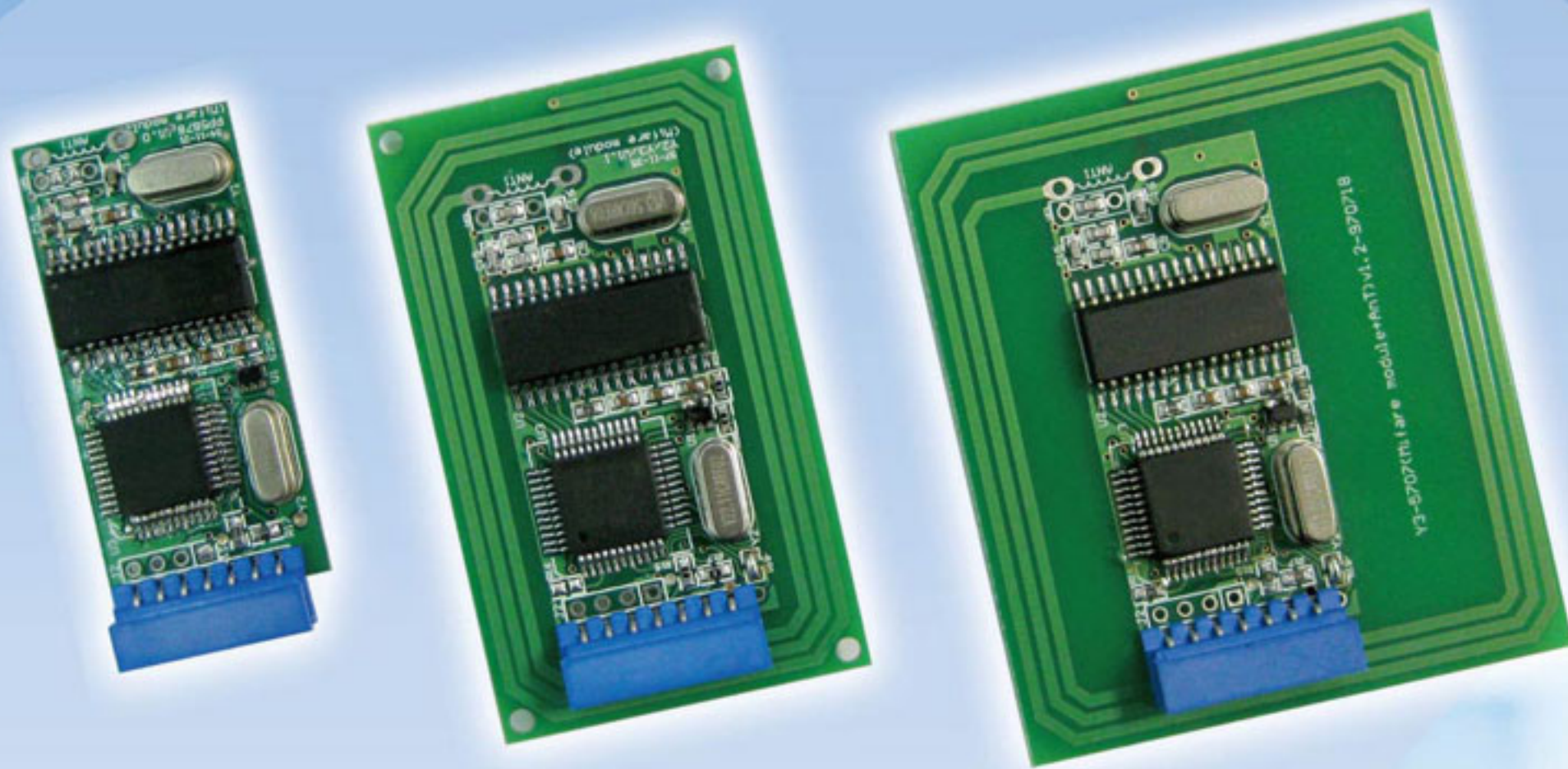




Selection guide for Pegasus module series

Provide complete software/hardware support,
simplified various RFID product applications.
Flexible ODM/OEM acceptance form customers.

- >>> **13.56MHz Mifare Module**
(ISO14443A / ISO14443B / ISO15693 / Mifare DESFire)
- >>> **125KHz EM Module**
- >>> **HID Compatible Module**



13.56MHz Mifare Module Series

FEATURES:

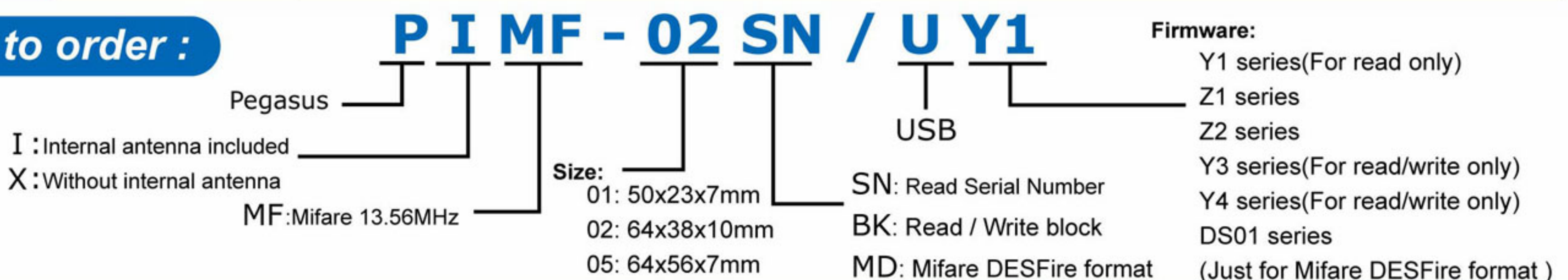
- ◆ 13.56MHz Mifare contactless reading module specially for Mifare cards.
- ◆ Lower cost with effective performance.
- ◆ Compact size / High speed data transfer / High data integrity / Anti-collision / Manchester coding.



Model No.	PXMF-01SN	PXMF-01BK	PXMF-01MD	PIMF-02SN	PIMF-02BK	PIMF-02MD	PIMF-02SN/U	PIMF-02BK/U	PIMF-02MD/U	PIMF-05SN	PIMF-05BK	PIMF-05MD
Dimension(LxWxH)	50 x 23 x 7mm			64 x 38 x 10mm						64 x 56 x 7mm		
Net weight	6.8g±5%			9.4g±5%			10.6g±5%			10.6g±5%		
With internal antenna	---			●						●		
Supported Tag-ICs	Mifare S50 / Mifare S70 / Mifare Ultra Light and Compatible card											
Frequency / Modulation	13.56MHz											
Power requirement	5 VDC ± 10%			5 VDC(90mA) ± 10% [Antenna ON]						5 VDC(60mA) ± 10%		
Interface	Configured by firmware			Configured by firmware			USB			Configured by firmware		
Possible supported versions	Y1/Z1/Z2 version	Y3/Y4/Z1/Z2 version	DS01 version	Y1/Z1/Z2 version	Y3/Y4/Z1/Z2 version	DS01 version	Y1/Z1/Z2 version	Y3/Y4/Z1/Z2 version	DS01 version	Y1/Z1/Z2 version	Y3/Y4/Z1/Z2 version	DS01 version

Firmware	Y1 version	Y3 version	Y4 version	DS01 version	Z1 version	Z2 version					
Out format for TTL interface											
RS-232 output	●	●	●	●	●	●					
Wiegand(26/34bit) output	●										
ABA output	●										
Read Serial Number	●	●	●	●	●	●					
Read block	●	●	●	●	●	●					
Read multi-block			●	●							
Write block	●	●	●	●	●	●					
Write keyA	●	●	●	●	●	●					
Write keyB			●	●	●	●					
Modify KeyA/KeyB			●	●	●	●					
SDK available	●	●	●	●	●	●					
ISO standard supported											
ISO14443A	●	●	●	●	●						
ISO14443B					●						
ISO15693					●	●					
DESFire				●							
Application field	<ul style="list-style-type: none"> Access control Electronic purse Loyalty/membership schemes ID cards Time and attendance Electric keys 	<ul style="list-style-type: none"> Loyalty/membership schemes ID cards 	<ul style="list-style-type: none"> Access control Automatic fare collection BUS/train/airline ticketing Electronic purse Vending Loyalty/membership schemes ID cards Time and attendance Asset tracking Gambling Electric keys Road tolling Park and ride schemes Pre-paid metering 	<ul style="list-style-type: none"> Access control Automatic fare collection BUS/train/airline ticketing Electronic purse Vending Loyalty/membership schemes ID cards Time and attendance Asset tracking Gambling Electric keys Road tolling Park and ride schemes Pre-paid metering 	<ul style="list-style-type: none"> Access control Loyalty/membership schemes ID cards Time and attendance Electric keys Pre-paid metering 	<ul style="list-style-type: none"> Logistics ID cards Access control 					
Main applicable function description	Using RS-232 to configure output format		Using RS-232 interface for R/W communication								

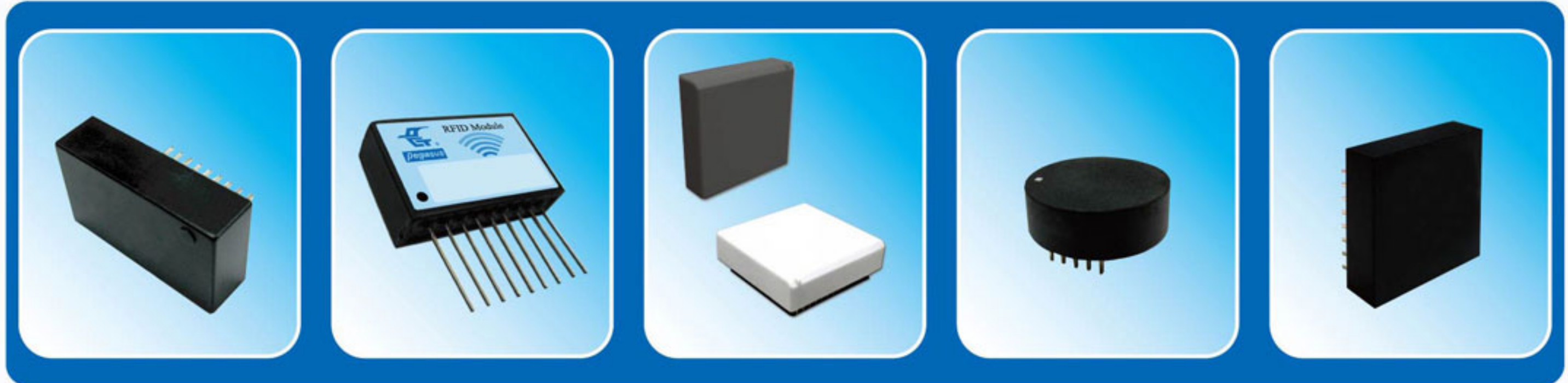
How to order :



125KHz EM Module Series

FEATURES:

- ◆ AM 125KHz contactless proximity reading module specially for EM compatible cards.
- ◆ Lower cost with effective performance.
- ◆ Compact size for easy designed-in.

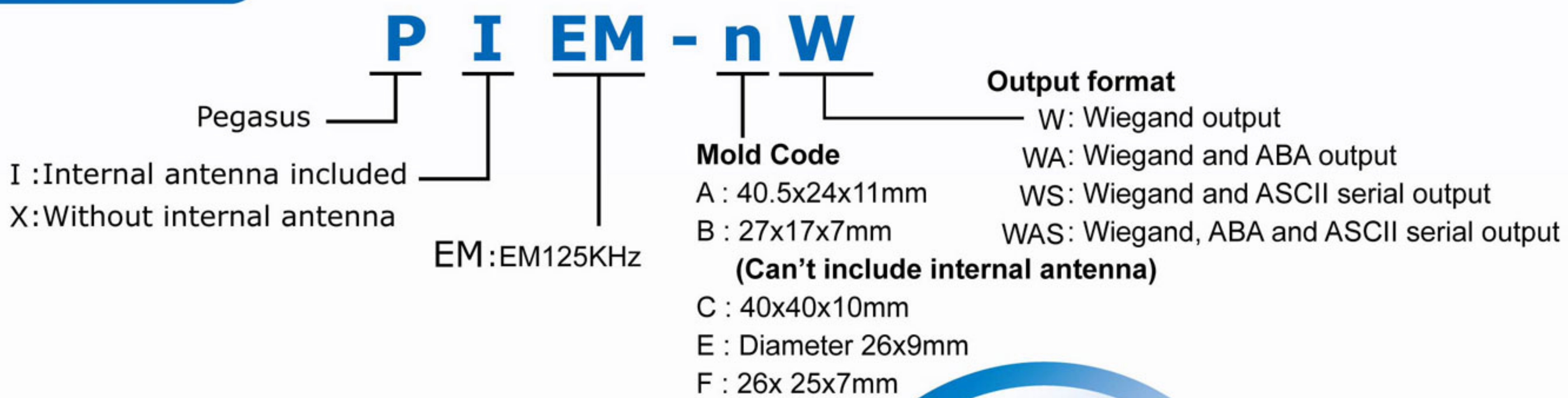


Mold Code	A	B	C	E	F
Dimension(LxWxH)mm	40.5x24x10	27x17x7	40x40x10	26(Diameter)x9	26x25x7
Net weight	17g±5%	6g±5%	24g±5%	9.2g±5%	7g±5%

Model No.	PIEM-nW	PIEM-nWA	PIEM-nWS	PIEM-nWAS	PXEM-nW	PXEM-nWA	PXEM-nWS	PXEM-nWAS
With internal antenna		●						
Out format for TTL interface								
ASCII output			●	●			●	●
Wiegand output	●	●	●	●	●	●	●	●
ABA output		●		●		●		●
Read Serial Number	●	●	●	●	●	●	●	●
Reading distance	5~8cm(Depending on mold)				Depending on tag size, tag type and antenna size			
Supported Tag-ICs	EM4001 / T5557(ISO 11784, ISO1785) and compatible 125KHz ID card							
Frequency / Modulation	125KHz							
Transmission Rate	9,600 bps, N,8,1							
Power requirement	5 VDC(25mA) ± 10%							
Application	Proximity access controller series / POS system / Production control / Logistics							

* The ASCII output can driver RS-232 or RS-485 IC for Serial communication

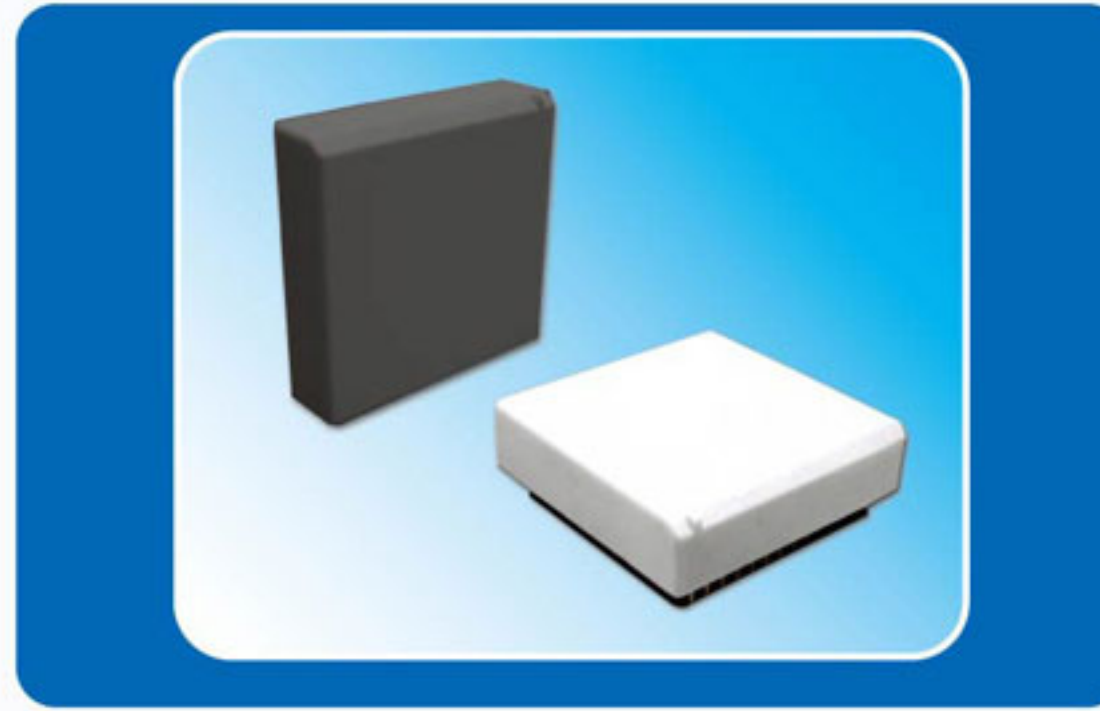
How to order :



HID Compatible Module Series

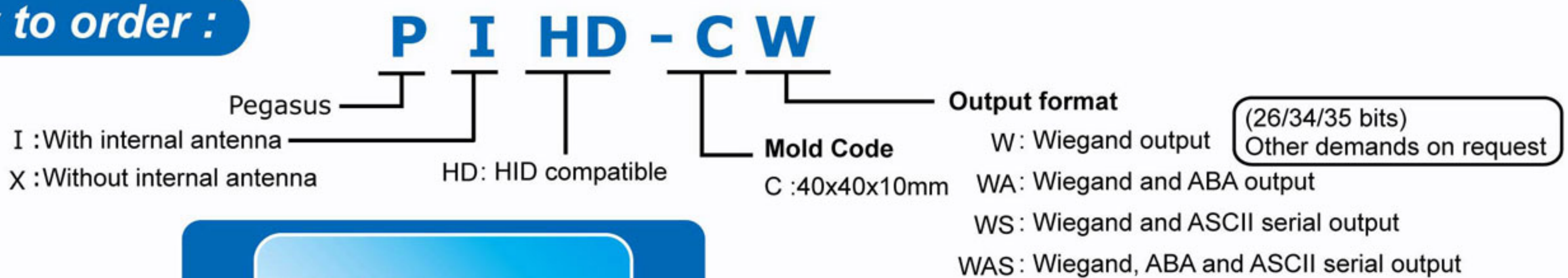
FEATURES:

- ◆ The HID proximity module contains the 125KHz/FSK decoding circuits to read the HID compatible contactless cards or tags.
- We support various modules contains antenna or without antenna with Wiegand / ABA / ASCII interfaces easy to apply various utilization.



Model No.	PIHD-CW	PIHD-CWA	PIHD-CWS	PIHD-CWAS	PXHD-CW	PXHD-CWA	PXHD-CWS	PXHD-CWAS
With internal antenna		●					---	
Dimension(LxWxH)	40 x 40 x 10mm							
Net weight	22.4g±5% / 18.6g±5%(without internal antenna)							
Supported Tag-ICs	HID card and tag							
Frequency / Modulation	125 KHz/FSK							
Transmission Rate	9,600 bps, N,8,1							
Power requirement	5 VDC(70mA) ± 10%							
Out format for TTL interface								
ASCII output			●	●			●	●
Wiegand(25~40bit) output	●	●	●	●	●	●	●	●
ABA output		●		●		●		●
Read Serial Number	●	●	●	●	●	●	●	●
Application	Proximity access controller series / POS system / Production control / Logistics							

How to order :



Model No.	PXTH-01
Dimension(LxWxH)	50(L) x 22(W) x 6(H) mm
Net weight	11.4g±5%
Interface	
RS232 output	
RS485 output	
Wiegand output	●
Read Serial Number	●

Thundering protection module

FEATURES:

- ◆ Support Pegasus's Access controller with communication port only.
- ◆ Transient protection for data lines to 10 Watts peak pulse power (tp=10/1000µs).
- ◆ IEC 61000-4-2 (ESD) ± 15kV (air), ± 8kV(contact).
- ◆ IEC 61000-4-4 (EFT) 40A (5/50ns).
- ◆ Bidirectional protection.
- ◆ Low clamping voltage.
- ◆ ESD Protection >40 Kilovolts.



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* We reserve the right to change the specification without notice or obligation !