

RFID sensor (Industrial grade)

Operating frequency 13.56MHz, implementation protocol ISO15693, maximum card reading distance 150mm (Related to tag size and environment)

Multiple reading modes

Support inquiry mode, card reading trigger mode, and scheduled broadcast mode

Number of bytes read and write

Number of bytes to read : 4Byte/13ms, 8Byte/16ms, Number of bytes to write 8Byte/15ms, 8Byte/32ms.

High speed read/write card

Supports accurate card reading at a maximum relative speed of 3m/s without missing a read, meeting the card reading needs of most application environments.

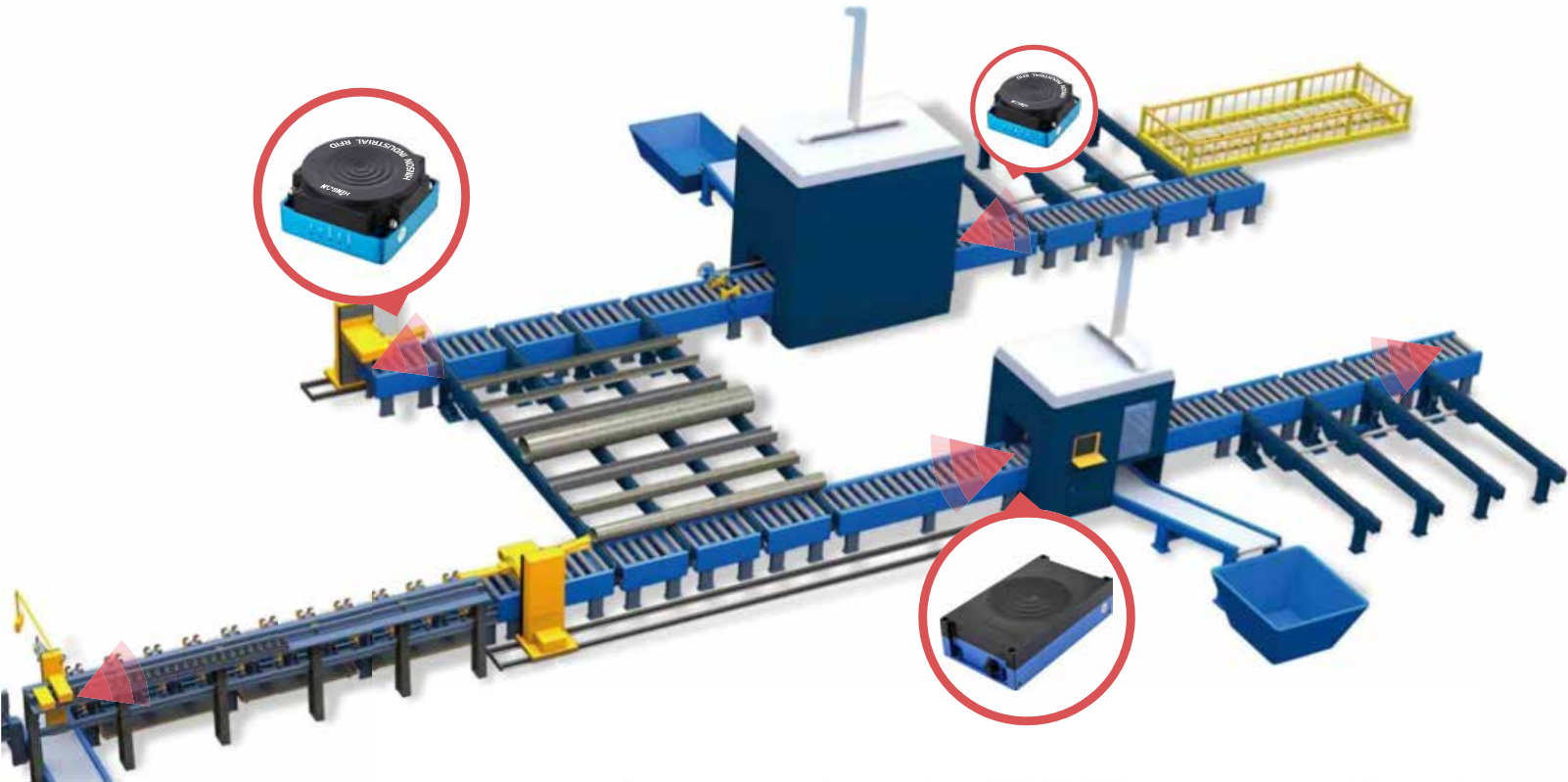
Support card reading signal strength detection

Supports tag sensing signal strength RSSI output (level0~7), RSSI filtering, etc., which can be used to assist positioning to make device positioning more accurate.

Support multiple interface protocols

Supports multiple communication protocols: RS232-HS, RS485-HS, RS485-Modbus, CAN-HS, CANopen, etc.

Hinson industrial-grade RFID sensors have high stability and meet various industrial environments. They can be used in: production automation management, material transportation management, automatic guided vehicle site positioning, etc.



Product Model	CNS-RFID-1S	CNS-RFID-1SN	CNS-RFID-01	CNS-RFID-01N
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Features

Reading and writing distance	0-150mm (Depends on label size and environment)			
Operating frequency	13.56MHz			
Execution Agreement	ISO15693			
Read and write bytes	4Byte/8Byte			
Allow label movement speed	≤3m/s			
Signal strength detection	Level 0~7 RSSI card reading signal strength			

Interfaces

RS232-HS	●	●	●	●
RS485-HS	●	●	●	●
RS485-MODBUS	●	-	●	-
CAN-HS	●	-	●	-
CANOPEN	-	●	-	●

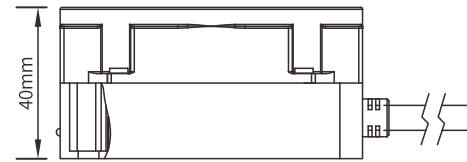
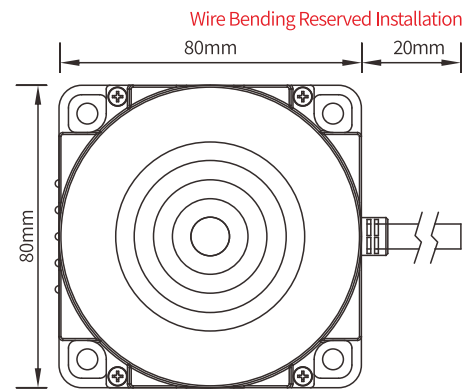
Mechanics/electronics

Voltage	DC 18~30V
LED	5*LED
Protecting Class	IP65

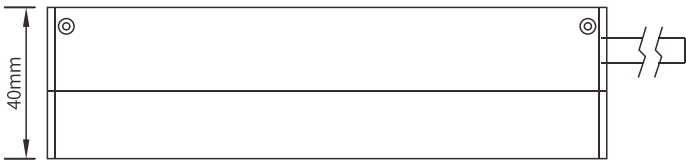
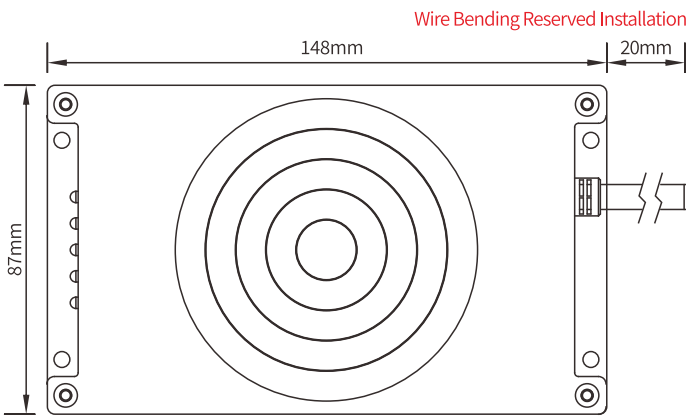
Ambient data

Working environment	Indoor -10~50°C <80% RH(No condensation, No frost)
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● Support - Not Supported



CNS-RFID-1S x



CNS-RFID-01 x