



blueLINE Keypad Reader  
**RBH-NK86 Series**

Award-winning Single Gang Mount 13.56mhz Smart card reader with Keypad/Pinpad for dual authentication or Pin operation

[www.rbh-access.com](http://www.rbh-access.com)

# RBH-NK86 SERIES

The RBH-NK86 Single Gang mount reader reads 13.56mhz Mifare or Desfire encrypted cards and tags for the highest level of security. The readers come standard with 50 bit wiegand output and can be ordered with 34 bit output for third party systems. For ultra secure installations readers can be ordered with OSDP1 & 2 capability. All readers are potted for indoor and outdoor use. Readers can be ordered for Card and Pin OR Card or Pin operation (standard output is 50 bit RBH with 8 bit burst )



MiFare CSN

MIFARE SECTOR

DESFire EV1-3

IP-65





PIN Multi function

Compatible with



Most 3rd Party Access control Solutions

## Specifications

|                        |   |
|------------------------|---|
| Reader Reference       | RBH-NK86 SERIES   |
| Card Types             | Most MiFARE credentials (CLASSIC / PLUS / DESFire EV1, EV2, EV3)  |
| Communication          | Wiegand - OSDP (Ver 1&2)  |
| Dimensions             | 4.75" X 3.125" X .75"<br>(119mm X 80mm X 20mm)  |
| Housing                | ABS   |
| Read Range             | MiFARE Cards & Tags: Up to 7.8" (200mm)   |
| Cabling Wiegand        | 500' (152m) max, 18 - 22 AWG, 6-7 conductor shielded cable  |
| Cabling OSDP (Ver 1&2) | RS485: 4000' (1219m) max, 20 - 22 AWG, 1 twisted pair, shielded, stranded<br>Power: 2000' (610m) max, 18 - 22 AWG 2 conductor stranded  |
| Operating Temperature  | -40° F to +158° F (-40° C to + 70° C)   |
| Color                  | Black   |
| Indicators             | Tri-color LED, Built-in Piezo sounder   |
| Frequency              | 13.56 MHz   |
| Connector              | 18 inch (47 cm) Pigtail   |
| Rating                 | IP-65   |
| Weight                 | 5.29 oz. (150 gr)   |
| Power                  | 12 - 15 VDC @ 100 mA  |
| Certifications         |     |

Order:

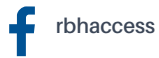
RBH-NK86-D for sector  
RBH-NK86-S for CSN



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