The blueLINE™ series of credential readers combines proven technologies of the past with the emerging technologies of today. Through one product line a customer can maximize the benefits of MiFARE, DESFire (EV1 & EV2), Fingerprint, OSDP, Ultra-High Security Credential (UHSC), Mobile Credentials, NFC and Bluetooth to create a customizable security solution that's right for their infrastructure. blueLINE™ has an ergonomic, aesthetically pleasing design that fits all solutions from the smallest user to the largest corporation.

The blueLINE™ series of readers are ergonomically designed with tri-colored LED's and backlighting for dim environments. Single gang, mullion, and European box sizes are available. See your dealer for a complete parts list.

The RBH-BFR350 series is a biometric reader designed and completely integrated into all of RBH security software platforms for quick and easy biometric enrollment. For fingerprint only or credential and fingerprint validation the BFR series is right for any application.

Readers in the blueLINE™ series are capable of using DESFire (EV1 & EV2) credentials for the highest of security standards. Communication to controllers can be using standard Wiegand **or** OSDP 1 or v2 for increased security where maximum integrity and tamper conditions are required.

Introducing UHSC or Ultra High Security Credentials. All blueLINE™ readers use UHSC via NFC or Bluetooth on respective devices. UHSC are a free virtual credential for Android and IOS where the App creates a virtual credential on the device. A Manufacturer does NOT manufacture or track your credential. This removes the possibility of a virtual credential hack or duplication of virtual credential. End users are not dependent on manufacturers shipping or managing credentials making UHSC a much higher form of security and at the same time extremely economical.

RBH blueLINE™ Features:

- Metal mount readers
- Ergonomic design
- Backlit keypads
- Tri-color LED indication
- OSDP (version 1 & 2)
- Wiegand
- FREE virtual credentials (UHSC)

RBH blueLINE™ Technologies:

- MiFARE (13.56 MHz)
- DESFire (EV1 & EV2) (13.56 MHz)
- NFC
- Bluetooth
- Fingerprint
- UHSC virtual credentials

RBH Blueline Readers Specifications*^

Blueline™ Reader/Keypad Specifications			
Reader	RBH-N86-DNB-S	RBH-M45-DNB-S	RBH-NK86-DNB-S
	RBH-N86-DNB-D	RBH-M45-DNB-D	RBH-NK86-DNB-D
Type	Single Gang CSN Reader	Mullion CSN Reader	Single Gang CSN Reader with Keypad
	Single Gang Sector Reader	Mullion Sector Reader	Single Gang Sector Reader with Keypad
Technology	DESFire (EV1 & EV2) / Bluetooth / NFC		
Frequency	13.56 MHz		
Mounting	Wall Mount		
Dimensions	4.75" X 3.125" X .75" (119mm X 80mm X 20mm)	3.875" X 2" x .75" (100mm X 50mm X 20mm)	4.75" X 3.125" X .75" (119mm X 80mm X 20mm)
Housing	ABS		
Weight	5.29 oz. (150 g)	4.06 oz. (115 g)	5.29 oz. (150 g)
Voltage	DC 9~15 V		
Current Draw	80 mA @ 12 VDC		
Read Range	.8 " x 7.8 " (2 cm - 20 cm) dependent on credential		
Communication	Wiegand (OSDP ver. 1&2 is available, contact RBH for related model number)		
Connector	18 inch Pigtail		
Cabling Wiegand	500' (152m) max, 18 - 22 AWG, 6-7 conductor shielded cable		
Cabling OSDP	**RS485:** 4000' (1219m) max, 20 – 22 AWG, 1 twisted pair, shielded, stranded **Power:** 2000' (610m) max, 18 – 22 AWG 2 conductor stranded		
Operating Temp.	-40⁰ F to +158⁰ F (-40⁰ C to + 70⁰ C)		
Color	Black		
Audio Tone	Built-in Piezo sounder		
Visual Annunciation	Tri-color LED		
Warranty	5 Years		
Certifications	FC CE		
Rating	IP-68		

Fingerprint Reader/Keypad Specifications		
Reader	RBH-BFR-350-DNB-S	RBH-BFR-350-DNB-D
Type	Fingerprint Reader with CSN Card Read	Fingerprint Reader with Sector Card Read
Integrated Reader Technology	DESFire (EV1 & EV2) / Bluetooth / NFC	
Frequency	13.56 MHz	
PC to Reader / Panel to Reader	Ethernet (CAT5) / Wiegand (6 Cond. Shielded 18 AWG)	
Dimensions	5.7" x 4.92" x 1.3" (145 x 125 x 33 mm)	
Templates / Users	9500 / 4750	
Weight	12 oz. (340 g)	
Voltage	DC 9~24 V	
Current Draw	1A	
Read Range	2 cm - 20 cm dependent on credential	
Communication	Wiegand, TCP/IP	
Operating Temperature	32⁰ F to +131⁰ F (0⁰ C to +55⁰ C) / 0 - 95% RH	
Color	Black	
Authentication Speed	≤ 4 sec	
Authentication Modes	Credential, Finger, PIN Credential + Finger, PIN+Finger, Credential+PIN	
Warranty	1 year	
Certifications	FC CE	
Rating	IP-65	

* For a full list of blueline part numbers please contact your sales representative.

^ Specifications are subject to change without notice.