



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				Fingerprint Reader/Keypad Specifications		
Reader	RBH-N86-DNB-S	RBH-M45-DNB-S	RBH-NK86-DNB-S	Reader	RBH-BFR-350-DNB-S	RBH-BFR-350-DNB-D
	RBH-N86-DNB-D	RBH-M45-DNB-D	RBH-NK86-DNB-D	Type	Fingerprint Reader with CSN Card Read	Fingerprint Reader with Sector Card Read
Type	Single Gang CSN Reader	Mullion CSN Reader	Single Gang CSN Reader with Keypad	Integrated Reader Technology	DESFire (EV1 & EV2) / Bluetooth / NFC	
	Single Gang Sector Reader	Mullion Sector Reader	Single Gang Sector Reader with Keypad	Frequency	13.56 MHz	
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)	PC to Reader / Panel to Reader	Ethernet (CAT5) / Wiegand (6 Cond. Shielded 18 AWG)	
Housing	ABS					
Weight	5.29 oz. (150 g)	4.06 oz. (115 g)	5.29 oz. (150 g)	Dimensions	5.7" x 4.92" x 1.3" (145 x 125 x 33 mm)	
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.	-40° F to +158° F (-40° C to + 70° C)					
Color	Black					
Audio Tone	Built-in Piezo sounder					
Visual Annunciation	Tri-color LED					
Warranty	5 Years					
Certifications	FC CE					
Rating	IP-68					
				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	32° F to +131° F (0° C to +55° 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.



RBH
blueLINE™

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