



**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 Secure Credential (UHSC), Mobile Credentials, NFC and Bluetooth to create a customizable security solution that's right for their infrastructure. Blueline is an ergonomically esthetically pleasing design that fits all solutions from the smallest user to the largest corporations.

**The RBH-R86 and RBH-RK86 series** of readers are ergonomically designed with tri-colored LED's and backlighting for dim environments. The casing is infused with a special rubber oil that protects the reader from scratches and improved touch command.

**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.

**All 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 (version 1 or version 2) 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 App 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
- Scratch resistant
- 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					Blueline™ Fingerprint Reader Specifications		
Reader	RBH-R86-DNB-S	RBH-R86-DNB-D	RBH-RK86-DNB-S	RBH-RK86-DNB-D	Reader	RBH-BFR-350-DNB-S	RBH-BFR-350-DNB-D
Type	CSN Reader	Sector Reader	CSN Reader with Keypad	Sector Reader with Keypad	Type	Fingerprint Reader with CSN Card Read	Fingerprint Reader with Sector Card Read
Technology	Desfire (EV1 & EV2) / Bluetooth / NFC				Integrated Reader Technology	Desfire (EV1 & EV2) / Bluetooth / NFC	
Frequency	13.56 MHz				Frequency	13.56 MHz	
Mounting	Wall Mount				PC to Reader / Panel to Reader	Ethernet (CAT5) / Wiegand (6 Cond. Shielded 18 AWG)	
Dimensions	3.38" x 3.74" x 0.83" (86 x 95 x 21 mm)				Dimensions	5.7" x 4.92" x 1.3" (145 x 125 x 33 mm)	
Housing	ABS				Templates / Users	9500 / 4750	
Weight	5.29 oz. (150 g)				Weight	12 oz. (340 g)	
Voltage	DC 9~15 V				Voltage	DC 9~24 V	
Current Draw	80 mA @ 12 VDC				Current Draw	1A	
Read Range	2 cm - 20 cm dependent on credential				Read Range	2 cm - 20 cm dependent on credential	
Communication	Wiegand, OSDP (ver. 1&2)				Communication	Wiegand, TCP/IP	
Connector	18 inch Pigtail				Operating Temperature	32° F to +131° F (0° C to +55° C) / 0 - 95% RH	
Cabling	500' (152m) max, 18 - 22 AWG, 6-7 conductor shielded cable				Color Options	Black	
Operating Temperature	32° F to +149° F (0° C to + 65° C)				Authentication Speed	≤ 4 sec	
Color Options	A black snap-on cover included standard				Authentication Modes	Credential, Finger, PIN Credential + Finger, PIN+Finger, Credential+PIN	
Audio Tone	Built-in Piezo sounder				Warranty	1 year	
Visual Annunciation	Tri-color LED				Certifications	FC ©	
Warranty	5 Years				Rating	IP-65	
Certifications	FC ©						
Rating	IP-67						



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