

# Get High-Performance RFID & Barcode Scanning

with Brady HH83 and HH85 Handheld Scanners



High-performing, easy-to-use tools, like these Brady HH83 and HH85 RFID and barcode scanners, are essential in industrial environments. Ruggedized and durable in construction, each is lightweight and ergonomically designed to allow for reliable and easy all-day operation. Brady scanners are quick, accurate, and able to handle all of your data-collection needs.

- Software-controllable RFID antenna polarizations provide best-in-class read performance at ranges up to 50 feet
- Ergonomic, lightweight design is easy to hold and use (even with gloves)
- Strategically placed trigger, buttons and large touchscreen display allow for easy operation
- High-capacity battery supplies up to 18 hours of continuous use
- Hot-swap battery feature enables lightning-fast changes
- IP65-rated enclosure protects against dust and moisture
- 5-foot drop test protection safeguards against damages
- Android 10 OS with NUR API allows for rapid and flexible software development

## Scanner specifications

UHF RFID identification	
ISO Compliance Standards	ISO 18000-63 (EPC Class 1Gen2v2)
Frequency	FCC/IC 902-928 MHz
RF Radiated Power	Max. ERP 2 W (33dBm) / EIRP 3.3 W (35.2dBm) Adjustable in 1dB steps
Antenna Features	Software controllable antenna polarizations Read range up to 50 ft / 15 m
Maximum Receive Sensitivity	-80dBm
Reading Speed	Up to 1000 tags per second
Barcode identification and imaging	
Bar Code Type	All major 1D barcodes and 2D codes High visibility LED aimer 2 characters pre and post fixes, padding replacement Enhanced aiming mode (automatic switching between scan line/ aiming dot) Configurable scan alert sounds
Camera	5 Mpx rear facing camera with auto focus and LED flash
Platform	
Scanner Model	Nordic ID NJR2-1W reader
Central Processing Unit (CPU)	Octa-core ARM Cortex-A53 1.8GHz
Operating System	Android 10
Internal Memory	2GB RAM, 16GB Flash, MicroSD slot with support for SDXC cards
Sensor	Accelerometer, Ambient Light Sensor, Gyroscope, Pedometer, Proximity Sensor, Time of Flight Sensor
User interface	
Display	Gorilla Glass 3 HD Color Capacitive Touch Screen 1280 x 720 pixels
User Interface Type	Touchscreen 3 Backlit Physical Keys 2 Customizable Trigger Buttons 1 Pistol Grip Trigger Button
Audio	Earpiece Integrated Handsfree Speaker Microphone
On Screen Indicators	RGB LED, Vibration for haptic feedback
Connectivity	
Connectivity Options	HH83/HH85: Wireless 802.11 a/b/g/n/ac, USB 2.0 Bluetooth 4.2 Class 2 (classic and low energy supported)
RFID Capabilities	NFC/HF and UHF
Power	
Battery Type	Rechargeable, Removable Li-Ion Battery
Battery mAh Rating	HH83 RFID ACD: 6700 mAh, HH85 RFID ACD: 10050 mAh
Back-up Battery	For real-time clock: keeps time for 200 days
Power Supply Voltage	100 - 240 V @ 50 - 60 Hz
Size and weight	
Dimensions	HH83 RFID ACD: 8.3 in H x 3.3 in W x 5.2 in D (212 mm H x 83 mm W x 133 mm D) HH85 RFID ACD: 8.4 in H x 3.4 in W x 5.3 in D (214 mm H x 87 mm W x 135 mm D)
Weight (lbs)	HH83 RFID ACD: 1.1, HH85 RFID ACD: 1.4
Environment	
Operating Temperature	-4°F - 131°F (-20°C - 55°C)
Operating Humidity	10%-95% (non-condensing)
Ingress Protection Rating	IP65
Drop and shock	
Drop Test	Up to 5.2 ft (1.6 m)
Electrostatic Discharge	Contact +/- 4 kVdc Air Discharge +/- 8 kVdc

## Scanners

Product #	Catalog #	Description
310382	B-HH83-UHF-US	Brady HH83 Reader UHF ACD 2Dimg US
310385	B-HH85-UHF-US	Brady HH85 Reader UHF ACD 2Dimg US



HH83 RFID ACD



HH85 RFID ACD

▶ See more solutions at  
[www.BradyID.com](http://www.BradyID.com)

USA  
Customer Service: 1-888-272-3946  
BradyID.com

Canada  
Customer Service: 1-800-263-6179  
BradyCanada.ca

Mexico  
Customer Service: 1-800-262-7777  
Inside Sales: 1-800-262-7777 ext 177  
BradyLatinAmerica.com

