

Tune in with Brady RFID scanners!

HH83, HH83 RFID ACD and HH85 RFID ACD scanners



The HH83, HH83 RFID ACD and HH85 RFID ACD scanners are an excellent RFID scanning choice and are a perfect match for Brady SmartID solutions. They enable users to pick up a large range of RFID signals and offer a great user experience.

- Ruggedised scanners for data collection in challenging industrial environments
- Ergonomic design for extended usage, IP65 rating and fully drop-tested
- Perfect RFID legibility for a multitude of RFID labels
- Extended read range by using di-pole antenna
- Battery Hotswap: replace an empty battery and install a fully charged one in a matter of seconds
- Great interface for daily tasks
- Visual (LED's) and haptic (vibration) feedback
- Scans barcode, NFC, HF RFID labels (HH83)
- Scans barcode, NFC, HF and UHF RFID labels (HH83 RFID ACD & HH85 RFID ACD)
- Dedicated apps required for operations
- Easy reuse of single scanner developments on all models in the product range through API-technology
- Available with rubber bumpers and a pistol grip (HH85 RFID ACD)

Scanner specifications

UHF RFID identification	
ISO Compliance Standards	ISO 18000-63 (EPC Class 1Gen2v2)
Frequency	ETSI 865.6-867.6 MHz or 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 polarisations
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 NUR2-1W 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 Colour Capacitive Touch Screen
User Interface Type	Touchscreen Buttons
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, Bluetooth, USB 2.0 HH83/HH85 (LTE models): 4G, 3G, GPRS/EDGE, Bluetooth, Wireless, 802.11 a/b/g/n/ac, USB 2.0
RFID Capabilities	HH83: NFC/HF, HH83 RFID ACD: NFC/HF and UHF, HH85 RFID ACD: NFC/HF and UHF
Power	
Battery Type	Rechargeable Lithium-ion Battery
Battery mAh Rating	HH83: 3350 mAh, 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: 78 mm (W) x 177 mm (H) x 35 mm (D) HH83 RFID ACD: 83 mm (W) x 212 mm (H) x 133 mm (D) HH85 RFID ACD: 87 mm (W) x 214 mm (H) x 135 mm (D)
Weight (kg)	HH83: 0.340, HH83 RFID ACD: 0.515, HH85 RFID ACD: 0.642
Environment	
Operating Temperature	-20°C - 55°C
Operating Humidity	10%-95% (non-condensing)
Ingress Protection Rating	IP65
Drop and shock	
Drop Test	up to 1.6 metres

Scanners

Article No.	Order Ref.	Description
310378	B-HH83-2D	Brady HH83 Reader 2D Imager
310379	B-HH83-2D-LTE	Brady HH83 Reader 2D Imager/LTE
310380	B-HH83-UHF-EU	Brady HH83 Reader UHF ACD 2Dimg EU
310381	B-HH83-UHF-LTE-EU	Brady HH83 Reader UHF ACD LTE 2Dimg EU
310382	B-HH83-UHF-US	Brady HH83 Reader UHF ACD 2Dimg US
310383	B-HH85-UHF-EU	Brady HH85 Reader UHF ACD 2Dimg EU
310384	B-HH85-UHF-LTE-EU	Brady HH85 Reader UHF ACD LTE 2Dimg EU
310385	B-HH85-UHF-US	Brady HH85 Reader UHF ACD 2Dimg US



HH83 RFID ACD



HH83



HH85 RFID ACD



Learn more at
www.bradyeurope.com/rfid-scanners

