

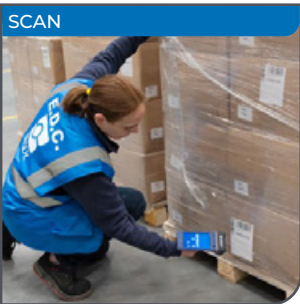


HIGH-PERFORMANCE RFID: CAPTURE, COMPUTE, CONNECT

HH86

HANDHELD RFID READER

THE SCAN IS JUST THE BEGINNING



MODERNISE WORKFLOWS – MES? ERP? WMS? YES!

FEED DATA DIRECTLY INTO YOUR EXISTING SYSTEM(S)

Industrial-grade performance, designed for all-day operation

- ▶ All-in-one solution: combines barcode scanning (Code 1D and 2D), NFC, HF, and UHF RFID label/tag reading in a single device
- ▶ Circular antenna polarisation ensures fast and reliable reading performance up to 10 metres, irrespective of tag orientation (up to 1200 tags per second)
- ▶ Visual (LED), audible, and tactile feedback for enhanced user experience
- ▶ High-capacity, hot-swappable battery provides up to 18 hours (12 hours for the version without pistol grip) of continuous use and allows quick replacement in seconds
- ▶ Rugged design: IP65-rated enclosure resists dust and moisture, with 1.6-metre drop resistance
- ▶ Fitted with rubber bumpers
- ▶ With pistol grip or standard back cover
- ▶ Optimised connectivity options including to Wi-Fi, 4G, 3G
- ▶ Android 14 OS with NUR API for easy software development
- ▶ Supports all common RFID use cases including Inventory Management and Asset Tracking

NOT JUST A READER.
A MOBILE COMPUTER.



SEAMLESSLY INTEGRATE DATA



RUN ANDROID APPS NATIVELY



WORK SMARTER, FASTER & MORE ACCURATELY



QUICKLY LOCATE YOUR ITEMS

HH86

HANDHELD RFID READER

READER SPECIFICATIONS

UHF RFID identification	
ISO Compliance Standards	ISO 18000-63 (EPC Class 1Gen2v2)
Frequency	ETSI 865-868 MHz or FCC/IC 902-928 MHz
RF Radiated Power	Max. ERP 0.8W (29dBm) / EIRP 1.3W (31dBm) Adjustable in 1dB steps
Antenna Features	Circular polarisation with 4dBic gain
Maximum Receive Sensitivity	-80dBm
Reading Speed	Up to 1200 tags per second
Barcode identification and imaging	
Bar Code Type	Codabar, Codabar (NW-7), Code 11, Code 39, Code 93, Code 128, GS1-128, GS1 DataBar, Industrial 2 of 5, Interleaved 2 of 5, S-code, China Post, ISBN-ISSN-ISMN, MSI, Plessey, Telepen, POSTNET, EAN-13, EAN-13 Extension 2, EAN-13 Extension 5, EAN-8, EAN-8 Extension 2, EAN-8 Extension 5, EAN/UPC, EAN/UPC Extension 2, EAN/UPC Extension 5, JAN-13, JAN-13 Extension 2, JAN-13 Extension 5, JAN-8, UPC-A, UPC-D 6 digit, UPC-E, UPC-E 11 digit, UPC-E0, UPC-E1 6 digit
Camera	16 Mpx rear facing camera with auto focus and LED flash
Platform	
Scanner Model	Nordic ID technology by Brady NUR3-1W engine
Central Processing Unit (CPU)	Quad Kryo 260 Gold 2.0GHz and Quad Kryo 260 Silver 1.8GHz
Operating System	Android 14
Sensor	Accelerometer, Ambient light sensor, Gyroscope, Pedometer , Proximity sensor

User interface	
Display	Gorilla Glass 3 HD Colour Capacitive Touch Screen
User Interface Type	Touchscreen Buttons
Audio	Earpiece Integrated handsfree speaker Microphone
Device Indicators	RGB LED Vibration for haptic feedback
Connectivity	
Connectivity Options	Wireless 802.11 a/b/g/n/ac Bluetooth® 5.1 USB 2.0 LTE UMTS GSM/EDGE GNSS
RFID Capabilities	NFC/HF and UHF
Power	
Battery Type	Rechargeable Lithium-ion Battery
Battery mAh Rating	10050 mAh Version without pistol grip: 6700 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	87 mm (W) x 214 mm (H) x 135 mm (D) Version without pistol grip: 85 mm (W) x 195 mm (H) x 90 mm (D)
Weight (kg)	0.642 Version without pistol grip: 0.520
Environment	
Operating Temperature	-20°C - 55°C
Operating Humidity	10%-95% (non-condensing)
Ingress Protection Rating	IP65
Drop and shock	
Drop Test	Resistant to 1.6 metre drops

PRODUCT OPTIONS

Article No.	Order Ref.	Description
323488	B-HH86-UHF-EU	Brady HH86 Reader UHF 868 2Dimg EU
323489	B-HH86-UHF-LTE-EU	Brady HH86 Reader UHF 868 2Dimg LTE EU
323490	B-HH86-UHF-US	Brady HH86 Reader UHF 915 2Dimg US
323491	B-HH86-UHF-EU2	Brady HH86 Reader UHF 915 2Dimg EU2
323492	B-HH86-UHF-LTE-EU2	Brady HH86 Reader UHF 915 LTE 2Dimg EU2

HH86 WITHOUT PISTOL GRIP

Article No.	Order Ref.	Description
324701	B-HH86-M-U-EU	HH86 Reader EU without pistol grip
324901	B-HH86-M-U-LTE-EU	HH86 Reader LTE EU without pistol grip
324902	B-HH86-M-U-US	HH86 Reader US without pistol grip

ACCESSORIES

Article No.	Order Ref.	Description
309995	HH83-85-DTC-KIT-EU	HH83 - HH85 - HH86 Desktop Charger Kit
323493	B-HH86-Batt-Pistol	Brady HH86 Battery 10050 mAh Pistol grip cover
323494	B-HH86-adapter-USB	Wall Adapter HH86 US-EU-UK-AU
325249	HH86-BATT-6700	HH86 Spare Battery 6700 mAh with Cover

