



▶ Baracoda orKan RFID-HF

Programmable Bluetooth mobile barcode & RFID-HF terminal

Delivery, field services, e-ticketing, access control, healthcare applications, order preparation

- Embedded display for instant data treatment
- Can read /write RFID-HF tags and optionally barcodes (1D CMOS, 1D Laser or 2D Full Imager)
- Comes with 4 pre-loaded applications
- Withstands several drops of 2 meters onto concrete
- IP54
- Bluetooth Class 1 (100m)
- Heavy duty removable battery



1D Barcode



2D Barcode



RFID



Bluetooth

Baracoda orKan RFID-HF

NAME	Baracoda orKan RFID-HF 1D CMOS (BOD-L)	Baracoda orKan RFID-HF 1D Laser (BOD-LA)	Baracoda orKan RFID-HF 2D Full Imager (BOD-FE)	Baracoda orKan RFID-HF BOK-TG
Scan Engine	Reference	EV10 (Intermec)	SE950-I100R (Motorola)	ITS180SR (Honeywell)
	Reading technology	CMOS	Laser Class 2	Imager
	Light source	617 nm	650 nm	Illumination LEDs: 626nm±30nm Aiming Led: 526nm±30nm
	Reading distance	4 to 50 cm (for 40mil barcode)	5 to 85 cm (for 40mil barcode)	5 to 33 cm
	Scan rate	200 scans/second	104 scans/second	n/c
	Scan angle	40°	47°	40°
	Light	0 to 100 000 Lux	4844 to 107 640 Lux	0 to 100 000 Lux
Reading modes	Trigger	•	•	•
	Aiming	•	•	•
	Laser beam ON via Bluetooth	•	•	•
	Auto-scan (no duplicate scan)	•	•	•
	Manual auto-scan	•	•	•
Supported barcode symbologies	Linear barcodes Code 2 of 5 standard - Interleaved 2 of 5 - Matrix 2 of 5 - Codabar/Monarch - Code 11 - Code 128 - GS1-128 (UCC/EAN-128) - Code 39 - Italian PharmaCode - Code 93 - UPC-A - UPC-E - EAN 8/EAN 13 - JAN 8 & JAN 13 - ISSN/ISBN - MSI - GS1 DataBar Omnidirectionnal (RSS-14) - GS1 DataBar Limited (RSS-14 Limited)	Linear barcodes Code 2 of 5 standard - Interleaved 2 of 5 - Matrix 2 of 5 - Codabar/Monarch - Code 11 - Code 128 - GS1-128 (UCC/EAN-128) - Code 39 - Italian PharmaCode - Code 93 - UPC-A - UPC-E - EAN 8/EAN 13 - JAN 8 & JAN 13 - ISSN/ISBN - MSI - GS1 DataBar Omnidirectionnal (RSS-14) - GS1 DataBar Limited (RSS-14 Limited)	Linear barcodes Code 2 of 5 standard - Code 2 of 5 Industrial - Interleaved 2 of 5 - IATA Code 2 of 5 - Matrix 2 of 5 - Codabar/Monarch - Code 11 - Code 128 - GS1-128 (UCC/EAN-128) - Code 39 - Code 93 - UPC-A - UPC-E - GS1 DataBar Omnidirectionnel (RSS-14) - GS1 DataBar Stacked Omnidirectionnel (RSS-14 stacked) - GS1 DataBar Expanded (RSS expanded) - GS1 DataBar Expanded Stacked (RSS Expanded Stacked) - Planet Code - Postnet - PosiCode 2D barcodes Australian Post - Aztec Code - British Post - Canadian Post - China Post - CodaBlock - Code 16K - Code 49 - DataMatrix - Japanese Post - Kiwi (Netherlands) Post - Korea Post - MaxiCode - Micro PDF417 - PDF417 - QR Codes - TelePen	N/A
	RFID technology	RFID HF 13.56 MHz, Contact reading (proximity)		
Supported RFID protocols	ISO/IEC 14443-A (NXP Mifare "Classic" 1K/4K, Ultralight, Ultralight-C, DESFire, etc.) - ISO/IEC 14443-B (ST SR, etc) - ISO/IEC 15693 (NXP iCODE-SLI, TI Tag-it, ST LRI64, ST LRI 2K) - NXP iCODE-1 - Inside Contactless PicoTAG - ASK CTS256B/CTS512B - NFC			

Electronics characteristics	CPU	ARM9
	Memory	SDRAM 128 Mbits - NAND Flash 64 MBytes
	Display characteristics	Graphic monochrome (white & deep blue) OLED Technology Diagonal: 1.54 In - Res.128 x 64 pix
	Display comments	Up to status bar - capability to display: • 5 lines of 21 characters (small font) • 4 lines of 16 characters (big font)
User interfaces	Real Time Clock (RTC) for timestamp	
	Buzzer	106 dB(A)
	LED	2x tricolor (green, orange, red)
	Vibrating notification	Yes
Using modes	Real time (raw)	
	Real time with No Data Loss with buffer	
	Batch	
Power energy	Battery type	Removable battery pack - Lithium Polymer
	Battery capacity	2000 mAh
	Battery dim./weight	64.5 x 37.7 x 12.7 mm/44 g
	Charging time	With provided PSU or cradle: 6 hours
	Back up battery	

Communication interfaces	Radio frequency	Bluetooth 2.0 + EDR (SPP profile)
	Radio range	Class 1 (100m)
	USB	USB v2.0 (micro USB)
	Cradle	Depending on cradle version
User environment	Operating temperature	-10°C - +40°C
	Storage temperature	-20°C - +50°C
	Humidity	5-95% (non-condensing)
	Shocks	Multiple 2m/6.6ft drops onto concrete (with protective boot)
Physical characteristics	IP rate	IP 54
	Length	134.3 mm
	Width	57.1 mm
	Height	36.9 mm
	Weight	<198 g (with battery)

Content

- 1 Baracoda orKan terminal with rechargeable battery
- 1 charger, its integrated USB cable and its universal charging adaptor (AUS/EU/US/UK)
- 1 CD with all the documentation and software needed

Available accessories



Holster



Protective boot



Cradle 1 bay



Cradle 4 bays



Car charger



Additional battery

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