baracoda™

orKan 1D CMOS
Bluetooth mobile terminal

- Embedded display for instant data treatment

- Comes with 4 pre-loaded applications

- 1D Laser, 1D CMOS & 2D Full Imager versions

- Withstands several 2 meter drops onto concrete

- IP54

- Bluetooth Class 1 (100m)

- Heavy duty removable battery

- RFID version (coming soon)

orKan

- Transport & Delivery
- Inventory Management
- Picking & Order Preparation
- Goods in / Goods out
- Access Control

Bluetooth®

Electronics Characteristics

CPU	ARM9
Memory	SDRAM 128 Mbits - NAND Flash 64 MBytes
Display characteristics	Graphic monochrome (white & deep blue) - OLED Technology
Display comments	Up to status bar - capability to display :
	5 lines of 21 characters (small font)
	4 lines of 16 characters (big font)
Real Time Clock (RTC) for timestamp	

Scan Engine / Reading Modes / Depth of Field

Scan Engine		Reading Modes	Depth of Field				
Reference (Manufacturer)	EV10 (Intermec)	Trigger	5 Mil	3.5	to	7.5	In
Reading Technology	CMOS	Aiming	10 Mil	2	to	11	In
Light source	617 nm	Laser beam ON via Bluetooth	100% UPC/EAN	2	to	11.5	In
Reading distance	4 to 50 cm (for 40mil barcode)	Auto-scan (no duplicate scan)	20 Mil	1.5	to	14	In
Scan rate	200 scans/second	Manual auto-scan	40 Mil	3	to	20	In
Scan angle	40°						
Light	0 to 100 000 Lux						

Supported Barcode Symbologies

Linear Barcodes
Code 2 of 5 standard - Interleaved 2 of 5 - Matrix 2 of 5 - Codabar/Monarch - Code 11 - Code 128 - GS-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)

User Interfaces / Supported Interfaces / Using Modes

User Interfaces		Supported Interfaces		Using Modes
Beeper	106 db(A)	Standard dongle		Real time (raw)
LED	2x tricolor (green, orange, red)	USB	Plug&Scan	Real time with no data loss with buffer
Vibrator	yes	RS232	Plug&Scan	Batch

Power Energy / Communication Interfaces

Power Energy		Communication Interfaces	
Battery type	Removable battery pack - Lithium Polymer	Radio frequence	Bluetooth 2.0 + EDR (SPP profile)
Battery capacity	2000 mAh	Radio range	Class 1 (100m)
Charging time	With provided PSU or cradle : 4 hours	USB	USB v2.0 (micro USB)
Back up battery		Cradle	Depending on cradle version

User Environment / Physical Characteristics

User Environment		Physical Characteristics	
Operating temperature	-10°C - +40°C	Length	134.3 mm
Storage temparature	-20°C - +50°C	Width	57.1 mm
Humidity	5 - 95 % (without condensing)	Height	36.9 mm
Shocks	Multiple 2m / 6.6ft drops onto concrete (with protective boot)	Weight	~175 g
IP rate	IP 54		
Electrostatic discharge	Compliant with 8kv of discharge in the air and 4kv of discharge by contact		

Box content

1 orKan terminal with rechargeable battery
1 charger - 1 universal charging adaptor (AUS/EU/US/UK)
1CD with software and documentation

orKan Accessories

Cradle
Protective boot
External battery

v1.0 - March 2011