KP6103
RFID & Barcode

KP6103 is a dual technology Reader , RFID and BARCODE Reader that supports the majority of available optical and Radio standard, allowing multiple and simultaneous reading of HF RFID tags and different standard 1D and 2D BARCODE.

KP6103 is available in USB Keyboard Emulation and Virtual COM as in the Serial RS232.

Convenience and ease of use make **KP6103** suitable for different uses health, civil and industrial and wherever the two RFID and barcode technologies need to be managed simultaneously from a single device

The RFID antenna is placed in front of the **KP6103** so the reading of TAG is easy and natural as reading the barcode.

2D	1D	0.3 PIXEL SENSOR	1.8M DROP	IP 52	USB	RS232

KP6103 is compliant at the **ISBT 128 Vox Sanguinis** standard.
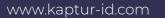An intuitive installation process and an easy to use Setup Software, allow immediate operation without requiring any support of the technical staff. Using the graphic GUI it is also possible to configure the **KP6103** selecting which fields in the ISBT 128 format to manage.

ISBT 128
More than Identification

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PRECISE DATA DEVICES

KP6103

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Main Characteristics		
Physical	Dimensions	Height 76mm, Width 67mm, Depth 168mm
	Weight	120 gr, without cable
	Cable	Removable Straight 1.8 m
	Connector Type	RJ-45 phone jack connector
	Case Material	ABS
	Exit Window Material	Tempered glass
	Indicator	Beeper, LED
Communication	Interface Supported	USB Keyboard, USB virtual COM RS-232, (optional)
Performance	Operating Mode	Hand-held, Auto-detection
	Programming Method	Manual (reading special barcode)
	Firmware Upgrade	Supported
	Input Voltage	USB 5 ±0.25VDC
	Current	Standby: 92 mA Scanning: 200 mA
1D	Barcode Technology	Linear CCD[1]
	Scan rate	300 scans/sec
	Scanning Angle	±65°, ±50°, ±25° (skew, pitch, tilt)
	Imager Field of View	Horizontal: 50°, Vertical: ±0,25°
	Print Contrast	20% minimum reflective difference
	Light Source	Amber LED 624nm
	Decoding Capability 1D	1D: UPC-A, UPC-E, UPC-E1, EAN-13, EAN-8, ISBN (Bookland EAN), ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5, Industrial 2 of 5(Discrete 2 of 5), Matrix 2 of 5, Codabar (NW7), Code 128, UCC/EAN 128, ISBT 128, Code 93, Code 11 (USD-8), MSI/Plessey, UK/Plessey, Telepen, GS1 DataBar (formerly RSS) variants
2D	Barcode Technology	CMOS Array Area Sensor
	Resolution	640 x 480
	Light Source	Warm white LED 2600 to 3700K
	Aiming Light	Single Line Green LED
	Imager Field of View	Horizontal: 38°, Vertical: 28.9°, Diagonal: 46.4°
	Scan rate	100 scans/sec
	Decoding Capability 2D	2D: PDF417, QR Code, DataMatrix, Han Xin Code, Aztec Code, MicroQR Code, MicroPDF417
RFID	Frequency	13,56MHz
	Standard	ISO15693 - ISO14443A/B - ISO18000-3 Mode 3 - NFC
	Reading Distance	ISO15693: 8cm ISO14443A/B : 4cm
Environmental	Temperature	Operating -10° to 45°C Storage -20° to 70°C
	Humidity	5% to 95% (non-condensing)
	Sailing	IP52
Certifications	Standards	EN 300 330 V2.1.1 EN 301 489-1 V1.9.2 EN 301 489-3 V1..61 EN/IEC 62368-1 EN 50364:2010

1) The Laser Barcode technology is available on request

RFID and Barcode Reading Area

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