

Get the
Handy™
Scanna
Advantage

Need a
 cutting edge
 RFID solution?

from small start-ups to
 enterprise level applications-
 innovative technology
 for every business



What makes Essen's
 HandyScanna™ unique?

The HandyScanna™ is a lightweight, portable RFID reader that has a read distance of anywhere between 2 inches to 3 meters. Equipped with a 4.8" touch screen, the HandyScanna™ is completely Wi-Fi enabled. It has a continuous use time of 8-9 hours, and can even store data when there is no Wi-Fi access, using its 1 GB of internal memory with 16GB internal SD card

Hardware

Xtenna™

*Handy™
 Scanna*

Software APIs

Java, .Net

Connectivity

Wi-Fi




Connects seamlessly to Microsoft BizTalk RFID and IBM WebSphere Premises Server platforms.

Choice of free license software connectivity through API's, through existing middleware, or through Essen's own RFID middleware platform, the Xtenna Studio™.

A technologically superior, cost effective and versatile solution, the HandyScanna™ is Essen's handheld RFID reader with a host of features that give your business the edge using mobile RFID technology.

HandyScanna™ – Technical Specifications

		
	Processor	Exynos Quad core 1.4 Ghz with Mali GPU
	Display	4.8", 1280x720 pixels, Super OLED, Gorilla Glass, 16M colours
	Internal Memory	1 GB RAM with 16 Gb SD Card , optional upto 64 Gb
	Operating System	Android Jelly Bean 4.3
	GPS	AGPS, GPS, Glonass - 64 satellites with 16 ft. accuracy
	Buttons	Read/Write, On/Off
	Battery	DC 3.7v 10 Ah
	Charging Time / Standby Time	8 hours / 144 hours
	Special sensors	Accelmeter, Gyro, Proximity, Compass, Barometer, Speaker
	Continuous Operation Time	8 - 9 hours
Integrated Reader	Antenna	Integrated, linearly polarized / Omni-Directional, both antennas co-existing and selectable
	Field	65° cone (approx.) measured from nose of device
	Antenna Gain	3.0 dB (typ)
	Frequency Band	865 - 868 MHz, 902 - 928 MHz, 866 - 956 MHz, EPC Global Class 1 Gen 2
	Nominal Read Range	6 - 8 ft. (circular), 10 - 12 ft. (optional linear)
	Nominal Write Range	1 ft. - 2 ft. (30.5 cm - 60.9 cm)
	RF Max Power Output	30 dBm +/- 1.0 dBm – 1 Watt
	RF Min Power Output	5 dBm +/- 1.0 dBm
	Firmware	Upgradable
	RFID Tag and Protocol Support	EPC Gen 2 - ISO 18000 6C, Full Anti-Collision, DRM
	Flash Memory	256 Kb
	RAM	64 Kb
	Regulatory	FCC 47CFR ch. 1 part 15, ETSI, (cert. reqd) Industrie Canada
	Environmental	RoHS Directive 2002/95/EEC, Anti-Collision
	Operating/Storage Temperature	-20° to 50° C
	Humidity	5% - 95% non-condensing
	Dustproof and Waterproof	IP 65
	RF Exposure	787,788,789,2835
	Radio	Radio EN 300 328, EN 301 511, EN 301 893
	Electrostatic Discharge (ESD)	+/-15kVdc air discharge; +/-8kVdc direct discharge; +/-8kVdc indirect discharge
General	Interface	Wi-Fi 2.4 GHz , Bluetooth, 3G HSDPA , Camera 8 Mp
	Dimensions	191 x 80 x 46 mm + Handle
	Weight	700 gm (typ)

Essen reserves the right to modify specifications without notice.

© 2009 Essen

Essen's innovative Xtenna™ based RFID devices and solutions that break the price/value trade-off. Cost-effective, yet world-class. Get the Xtenna™ Advantage.



Essen Energy Conversion Devices Pvt Ltd
 24 B, Jolly Maker II, Nariman Point, Bombay 400 021 INDIA
 Tel: +91 22 6632 5363 • Fax: +91 22 6632 5366
 Email: xtenna@essenrfid.com • Web: www.essenrfid.com

Syscomp
 1 Woodgrove Turn, Warren,
 NJ 07059 USA
 Tel: 1-732-604-3055
 Email: harish_purohit@essenrfid.com

Mr. James Snyder
 2913 SW 22nd Cir #36D, Delray Beach,
 FL 33445 USA
 Tel: 1-561-272-6227
 Email: james@essenrfid.com

TAGS FROM ESSEN RFID:

PERSONNA™

For tracking people
 Read distance: 45 ft.
 Tag size: 85 mm x 55 mm x 0.8 mm
 ID Card carried on person

PARKA™

For vehicle tracking
 Read distance: 45 ft.
 Tag size: 90 mm x 65 mm x 0.8 mm
 Mounted inside car windshield

GENERA™

For cartons, cases, pallets, etc.
 Read distance: 24 ft. (fixed reader)
 Read distance: 10 ft. (handheld reader)
 Tag size: 85 mm x 25 mm x 0.3 mm
 Adhesive affixing

METALLICA™

For machinery, racks, containers, etc.
 Read distance: 22 ft. (fixed reader)
 Read distance: 10 ft. (handheld reader)
 Tag size: 102 mm x 38 mm x 8 mm
 Rivet mounting; adhesive affixing

µMETALLICA™

For metal casings, hardware, etc.
 Read distance: 22 ft. (fixed reader)
 Read distance: 8 ft. (handheld reader)
 Tag size: 79 mm x 16 mm x 3 mm
 Rivet mounting; adhesive affixing

ACQUA™

For laundry
 Read distance: 25 ft. (fixed reader)
 Read distance: 12 ft. (handheld reader)
 Tag size: 100 mm x 27 mm x 6 mm
 Cable/string tied

BOVINA™

For livestock tracking
 Read distance: 25 ft. (fixed reader)
 Read distance: 12 ft. (handheld reader)
 Tag size: 80 mm x 68 mm x 2.5 mm
 Ear tagging by press punch

LIBRA™

For documents, files, books, etc.
 Read distance: 10 ft.
 Tag size: 80 mm x 10 mm x 0.3 mm
 Adhesive affixing

SOLANNA™

For solar panels
 Read distance: 12 ft.
 Tag size: 86 mm x 28 mm x 0.3 mm
 Adhesive affixing

Note: All distances in free air. Optimized for Xtenna™