

Get the
Handy™
Scanna
Advantage

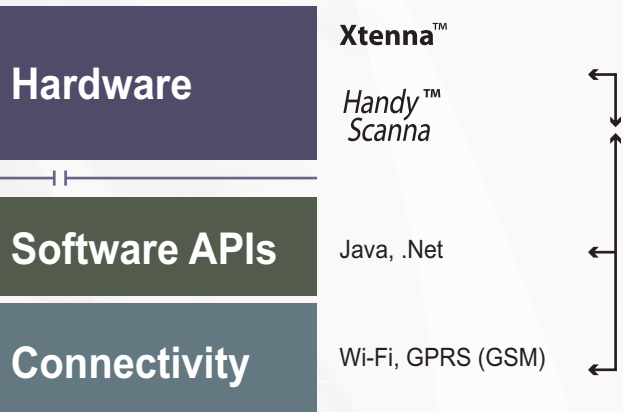
Need a
 cutting edge
 RFID solution?

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 3.2" touch screen, the HandyScanna™ is completely Wi-Fi enabled. It has a continuous use time of 8 hours, and can even store data when there is no Wi-Fi or GPRS access, using its 2 GB of internal memory




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

		
Integrated Reader	Processor	624 Mhz
	Display	3.2", 480x320 pixels, capacitive touchscreen with backlight
	Internal Memory	2 GB SD Card
	Operating System	Android
	GPS	AGPS
	Connectivity	Wi-Fi, GPRS (GSM)
	Buttons	Read/Write, On/Off
	Battery	DC 3.7v 10 Ah
	Charging Time	8 hours
	Standby Time	144 hours
	Continuous Operation Time	8 hours
	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), 18 - 20 ft. (optional additional 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 (typ)
	Dimensions	191 x 80 x 46 mm + Handle
	Weight	700 gm (typ)

Essen reserves the right to modify specifications without notice.

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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.



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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™