Get the Xtenna™ Advantage

with

PERSONNA™

RFID Tags

Implementing an RFID solution?

Personnel tracking

from simple attendance tracking to high level security requirements – innovative technology for every business

What makes Personna™ better?

FEATURES:

Absolute reliability and accuracy, with superior read rates whether placed in wallet, handbag, pocket or carried on lanyard.

Maximum visibility for RFID capture at longer distances.

96 bit EPC Global Class-1 Gen-2 compliant tag with 512 bit user memory and password protection.
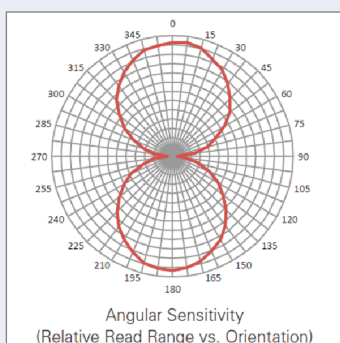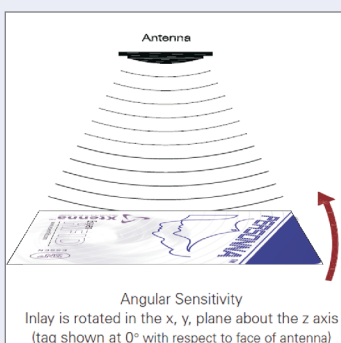
Provides enhanced read range compared to standard passive UHF tags for similar usage – over 45 feet under European ETSI standards.

PVC material, in ID Card size for convenient use.

APPLICATIONS:

Having an enhanced read range and reduced size, PERSONNA™ tags combine the best of both worlds - tags that can be read at longer distances, but having a smaller footprint. This makes them ideal for:

- **Personnel identification and tracking**
- **Auto attendance systems**
- **Visitor management**
- **Delegate tracking**
- **Auto debit payment systems**

PERSONNA™

For tracking people
EPC Global Class-1 Gen-2 compliant
Read distance: 40 ft. (fixed reader)
Tag size: 85 mm x 55 mm x 0.8 mm
ID Card carried on person

PERSONNA™ RFID tags can also be customized and incorporated within individual photo-ID cards for company employees, students, club members, privilege holders, event participants, etc.

A one-stop solution for all your RFID needs

Essen RFID –
integrates, extends, improves, simplifies, fully scalable, saves cost, maximizes value; helps your business take the next step forward.

Angular Sensitivity
Inlay is rotated in the x, y, plane about the z axis
(tag shown at 0° with respect to face of antenna)

Angular Sensitivity
(Relative Read Range vs. Orientation)

High Performance RFID Tags**

Essen's Special RFID Tags for longer read distances

Essen RFID offers superior RFID Tags that have been specially devised to be read at longer distances. These special Tags outperform standard Passive RFID Tags through enhanced read range with superior reliability and accuracy – enabling quick item clearance, thereby improving overall operational efficiency.

Essen RFID Tags are currently available in ten specialized varieties, each customized for specific read objectives. From tracking people on the move, to vehicle access, to livestock tracking, to bulk cartons and pallets, liquid containers, metallic objects, storage racks, cargo and containers, equipment and machinery, as well as special tags for documents, laundry and solar panels – Essen RFID Tags provide full value for money, through higher performance, better reliability and greater efficiency.

PERSONNA™ – Technical Specifications

		PERSONNA™
	ISO/IEC 18000-6C	
	EPC Global Class 1 Gen 2	
	Integrated Circuit	IC with 800 bits of non-volatile memory
	Operating Frequency	840 - 960 MHz
Memory	EPC Size	96 - 480 bits
	User Memory	512 bits
	TID	32 bits
	Unique TID	64 bits
	Access Password	32 bits
	Kill Password	32 bits
Environmental	Operating Limits	-20°C to +70°C *
		20% to 90% RH non-condensing
	Drop Resistance	Per ASTM D5276
	Write Cycles	100,000
	RoHS	2002/95/EC compliant
	ESD – HBM / CDM	> 5.0 kV / > 1.5 kV
	Dimensions	85 mm x 55 mm x 0.8 mm

Essen reserves the right to modify specifications without notice.   © 2012 Essen

* PVC Material
** Integrated 9dBi Antenna with 1 watt Reader

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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MORE TAGS FROM ESSEN RFID:

PARKA™
For vehicle tracking
Read distance: 40 ft. (fixed reader)
Tag size: 90 mm x 65 mm x 0.8 mm
Mounted inside car windshield

GENERA™
For cartons, cases, pallets, etc.
Read distance: 40 ft. (fixed reader)
Read distance: 12 ft. (handheld reader)
Tag size: 85 mm x 55 mm x 0.8 mm
Adhesive affixing

METALLICA™
For machinery, racks, containers, etc.
Read distance: 20 ft. (fixed reader)
Read distance: 12 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: 20 ft. (fixed reader)
Read distance: 8 ft. (handheld reader)
Tag size: 79 mm x 16 mm x 3 mm
Rivet mounting; adhesive affixing

MICRA™
For jewellery
Read distance: 8 ft. (handheld reader)
Tag size: 32 mm x 12 mm x 0.8 mm
Plastic wire looping

ACQUA™
For laundry
Read distance: 18 ft. (fixed reader)
Read distance: 8 ft. (handheld reader)
Tag size: 100 mm x 27 mm x 6 mm
Cable/string tied

BOVINA™
For livestock tracking
Read distance: 20 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. (handheld reader)
Tag size: 80 mm x 10 mm x 0.3 mm
Adhesive affixing

SOLANNA™
For solar panels
Read distance: 12 ft. (handheld reader)
Tag size: 86 mm x 28 mm x 0.3 mm
Adhesive affixing

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