Sense

Omni-ID®
part of **HID**

RFID monitoring with **temperature sensors** - a true game changer for data centers

As a leading provider of asset tracking RFID tags we are always improving and evolving our products. The latest development to include temperature and moisture sensors has created solutions that bring real benefits to data center monitoring:-

Traditional benefits of RFID Tracking in data center's

- Huge time saving in 'man hours' (15 times faster)
- More streamlined and accurate inventory management
- Greater compliance to financial and accounting requirements
- Reduced number of lost IT Assets

Additional benefits of adding temperature sensors

- Predictive maintenance on power bus bars, to identify hot spots
- Identifying cold air circulation issues
- Highlighting cooling equipment failures
- Leak detection of cooling fluids

Our RFID IT Asset and data center monitoring solutions have already had a very warm reception from the likes of:

CISCO™   facebook   NASA

But now we are raising the temperature even more thanks to the magic of Magnus® M3D (the latest sensing IC from our partner Axzon)

Our RFID labels and tags have helped some of the World's largest users of IT equipment to track and monitor these valuable and important assets and to deliver huge increases in accuracy and efficiency.

Our range of hard tags and labels for this purpose has grown and developed to provide more options, longer read ranges and smaller footprints.

But the latest development is pushing the boundaries of IT Asset tracking even further by adding temperature sensing capability to instantly and accurately provide data on the temperature of the environment or the surface the tag is attached to.

Number of IT Assets	Hours for IT Asset Tracking			RFID Resource Time Savings
	Manual	**Barcode**	**RFID**	
1,000	5	2	0.4	4.6 hours
5,000	25	8	2.2	3 days
10,000	50	16	4.4	6 days

	Sense Fit 500	Sense IQ 550P	Sense IQ 175	Sense IQ 430	Sense IQ 200P
Form Factor	Small form ceramic hard tag 13.5 x 9 x 4.3 mm	Printable, rectangular self adhesive label 104 x 24 mm	Printable rectangular self adhesive label 50 x 12 mm	Printable rectangular self adhesive label 114 x 24 mm (US) 108 x 24 mm (EU)	Circular self adhesive label 41 mm Ø

Key features of the new Sense temperature monitoring tags and labels at a glance

- Read with existing readers just the same as traditional RFID Tags
- Battery-less sensing technology
- Same small footprint and form factor as standard RFID labels
- Relatively low cost increase to include the temperature sensing capability

> We have seen a significant improvement in our Directorate's ability to conduct fast and efficient inventories by approximately 80% using RFID.

Steve Mercier,
Senior Systems Engineer. NASA

More about the magic of Magnus®
[OK, it's not really magic but it is very clever].

1. Wireless & battery-free technology, each sensor harvests a tiny amount of energy from the RFID reader
2. Enables long life, maintenance-free sensing of temperature and moisture
3. Compatible with most standard RFID readers
4. Long read ranges - up to 5.8 meters in some of the Sense labels
5. Available in low cost and easy to apply Peel-N-Stick label format or industrial grade rugged ceramic sensors

> From a business perspective, the project has been a success, because we now have the ability to find and locate assets a lot faster than ever before. By site, we've cut our cycle-count time down from a few weeks to a few hours. Our employees like it because they get access to devices quickly, for say, a data center deployment.

Mary Anne Flynn,
Director of Operations, Cisco

For more information visit
www.omni-id.com/SensePassive and fill in the short contact form

Or call your usual Omni-ID representative or email **sales@omni-id.com**

We will be happy to discuss your data center monitoring needs further and put you in touch with our systems integrator partners who can help with the entire solution.

Sense
Passive Sensing Tags & Labels

A X Z O N

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