

WiFi Controller “Active NOW”

The 2,45 GHz Active NOW Tag WiFi Controller is used in systems, which integrate the Active NOW Tags family provided by iDTRONIC. The controller is supplied with a standard rubber-duck antenna for an up to 60m radius communication range. The sensitivity can be software regulated down to a few meters. Thanks to the availability of the Active NOW directional antennas it is also possible to segment the reading area.

The iDTRONIC Active NOW WiFi Controller uses existing WiFi networks as a backbone and is compatible with any brand of standard WiFi infrastructure.

Additionally to the WiFi interface this controller comes with TCP/IP, RJ45, RS232 and RS485 interface. The WiFi is factory configured as an Ad-Hoc network. However, the configuration utility allows connecting the Controller on an infrastructure network and setting a permanent IP address. All the standard security tools are available. The WiFi utility tools can be downloaded from the Web.

The anti-collision rate is in the range of 80–100 tags per second. One single Controller can operate thousands of tags. The controller can be firmware upgraded directly by the system integrator. Health and safety is a major consideration in the design of this product.

The Active NOW WiFi Controller can be operated in Dense Controller Mode. For applications with multiple controllers, iDTRONIC offers a specific middleware called Active NOW EdgeWare for the management of the controllers. The iDTRONIC EdgeWare guarantees easy integration and 1 centralized database.

The Active Tag Controller Active NOW is supplied with Windows XP .dll file, application software and detailed manual.

Applications:

- Access Control
- Logistics
- Industrial Solutions
- Museums
- Asset Tracking
- Airports
- Hospitals
- Parking and Car / Truck management



Product – Data Sheet

Product specification:

External dimensions:	126 x 104 (82,5) x 28mm
Humidity protection:	IP54
Colour:	Metal silver / grey
Power supply:	5-12V DC, 1 Ampere
Network interfaces:	802.11b; 802.11g and 10/100 Ethernet
Protocols supported	ARP, UDP, TCP, Telnet, ICMP, SNMP, DHCP, BOOTP, Auto IP, HTTP, SMTP, TFTP
Webserver interfaces	RS232, RS485, Ethernet, WiFi and RJ45
Frequency:	2,45GHz
Reading range:	Up to 60m with standard antenna
Operation temp.:	-10°C up to +60°C
Storage temp.:	-40°C up to +70°C
Options:	<ul style="list-style-type: none">- Directional antenna- Range expander- EdgeWare Middleware
Order number:	R-AN-1902