



WAVETREND



**PERSONNEL &
ACCESS CONTROL**

For more information, visit us online at www.wavetrend.net



Meet today's security challenges and protect all your assets – people, property and data.

“The system installed by Wavetrend and Bioaccez has helped immensely in our continuing efforts to increase the efficiency and reliability of the service we provide to our customer – the CTP – and all its users

Ciro Vecchiarini
Technical Director
Consorzio Nazionale Sicurezza
Compagnia Trasporti Pubblici di
Napoli (CTP)

Business Challenge

There is no question that in today's security picture, risk is rapidly increasing and new threats are emerging. As security concerns heighten, your security strategy has to not only protect your assets – people, property and data –but also to reduce risk and liability, maximise profitability and cost savings and reduce insurance premiums.

The RFID solution

Do you want to improve your security picture and reduce cost? Our access control systems are designed to meet today's security challenges and increase safety and security for all your assets – people, property and data.

RFID provides a means of restricting or enabling access to personnel throughout your facilities. Fixed readers can be fitted on doors selected for controlled access. To gain access, an identity card must be scanned and permission is gained from the main database – enabling secure and controlled access throughout the building. In addition, sensitive areas can be restricted to ensure an increased level of staff control - whether it's an accounting office, stock room, computer room or parking lot.

The benefits of an access control system:

RFID provides the level of security needed to tackle the everyday security challenges. From protecting people to data, RFID gives companies a tool to enhance security, proactively attempt to keep out unauthorized individuals and better protect employees.

By deploying an access control system, RFID delivers a wide range of benefits and give you more control over your security domain:

- **Restrict unauthorized entry:** Provides a means of restricting or enabling access to employees or customers throughout your facilities
- **Protected assets:** Ensures that your employees, customer, property and data is secured from intruders
- **Increased level of staff control:** Employees denied access into unauthorized areas
- **Reduced insurance costs:** Premium penalties cut
- **Improved on-site personnel security:** Restricted access to potential intruders

SOLUTION OVERVIEW

READERS

RX210 - Serial Reader

The popular RX210 - RS485 / RS232 Readers detect Wavetrend's Activ™ and ActivDuo™ ranges of active RFID tags. This remotely configurable reader connects to the host PC, edge server or intelligent hardware controller via RS232, RS485 or TTL and can be used singly, or networked together. It offers a connection for an external antenna. Wavetrend recommends the IPSU Intelligent Power Supply be used to power RX210 reader networks.

RX900 – Ethernet Reader

The award winning RX900 – Ethernet PoE Readers detect Wavetrend's Activ™ and ActivDuo™ ranges of active RFID tags. This remotely configurable reader connects to the host PC, edge server or intelligent hardware controller via an Ethernet LAN and has a unique MAC or IP Address to provide reader location ID for RTLS applications.

The reader supports Power over Ethernet and offers a connection for an external antenna. The reader can be ordered without the standard power supply (**RX900-NPS**) when PoE switches will be used to power the readers on the LAN. It supports both DHCP and fixed IP addressing and the 256-bit AES encryption standard. Two relay outputs and two inputs are provided as standard for ancillary device control and monitoring.

TAG

TGP – Personnel Tag

The TGP is intended for use with all personnel security and access applications such as dynamic mustering and health and safety compliance, or on non-metal assets. It is primarily for indoor use, being splash proof. The tag can incorporate a motion sensor giving immediate alerts on movement, and offers different user-configurable rates for its status (regular) transmissions.

The tag can also incorporate certain access control card chips (customer supplied) allowing dual use on both active RFID and legacy access control systems and a standard ID badge can be fitted to the reverse. It has an anti-tamper facility, implemented through the use of the AT TGP Anti-Tamper.

TGMS – Micro Wrist Strap Tag

The Micro Wrist Strap Tag is suited for personnel tracking and monitoring indoors for healthcare, health and safety, time in attendance, security and other related applications. The tag allows for a wide range of user-supplied wrist straps to be used to attach the tag to the wearer's wrist and is splash proof. The tag can incorporate a motion sensor giving immediate alarms on movement, and offers different user-configurable rates for its status transmissions. It does not offer an anti-tamper facility to detect when the strap is cut or removed by the wearer.



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**DELIVERING SECURITY,
RELIABILITY AND PEACE OF
MIND.**