

# *Real Time Guard Monitoring*



## Wi-Trak

...the new multipurpose handheld. Data collection and real time monitoring have never been so smart, easy and flexible

- GUARD TOUR CONTROL
  - TIME AND ATTENDANCE
  - LONE WORKER'S SAFETY
- One device, all functions*
- RFID
  - GSM/GPRS
  - GPS

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Mobile Patrol Management Technology

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## Introduction to Datix Wi-Trak

Datix Wi-Trak represents the latest evolution in portable handhelds. Datix Wi-Trak is a multipurpose handheld designed to answer, with one fully configurable device, to all the inquiries coming from many business sectors such as the security & safety and time&attendance markets.

Datix Wi-Trak comes with many independent hardware modules which can be combined to obtain the configuration best matching the required application. The areas covered by Datix Wi-Trak modules are: data acquisition, communication (both voice and data), geographic tracking, safety and interaction between headquarter and on-field Operators.

## Datix Wi-Trak: some examples of application

Being a multipurpose device, Datix Wi-Trak turns out to be essential for many applications and, generally, whenever you need a smart data logging combination, real time monitoring, GPS tracking and Operator's safety.

Some application examples can therefore be:

- **Guard Tour System** (with both real time and off-line data monitoring)
- **Time & Attendance** for moving Operators (cleaning companies, home care, remote yards,...)
- **Maintenance Services Control** (lifts, fire extinguishers, boilers,...)
- **GPS tracking**
- **Lone Worker's Alarm** (man down)



## Data communication via GPRS

For more than 20 years, almost all handhelds had to be sent back to the main office for downloading data. This is a trouble for both the company and the customers. Nowadays, many customers ask for real time data monitoring which means they can enjoy a higher attention level and it also represents further significant value that often proves to be essential. Through the GPRS network Service Companies can transmit the collected data, both from industries and civilian, to supervise a city or province control room. Thus, thanks to GPRS network simplicity and efficiency, Service Companies can realize supervisory control and collected data concentration.

## GPRS main advantages

**Hard real time** - GPRS, being an always online communication, has no delay when transmitting data. What's more, GPRS can receive and process multiple requests from all readers synchronously without polling. All these features satisfy the real time requirement in data sampling and transmitting.

**Low cost setup** - Based on the GPRS public wireless network platform, the only thing a company needs to do is installing the SIM Card into the handheld. So, this system features has fast cost-recovering and low cost maintenance.

**Low cost communication** - GPRS connection billing is based on the amount of data exchanged independently from the time the connection is active.

Therefore, it is possible to leave the controlling application always connected and ready to receive/send data on demand, while paying only for the really exchanged data.

## Datix Wi-Trak is also voice call and text message (SMS)

Thanks to the GSM network Datix Wi-Trak can transmit man down and panic alerts by text message-SMS and voice call (besides GPRS)





### Datix Wi-Trak management

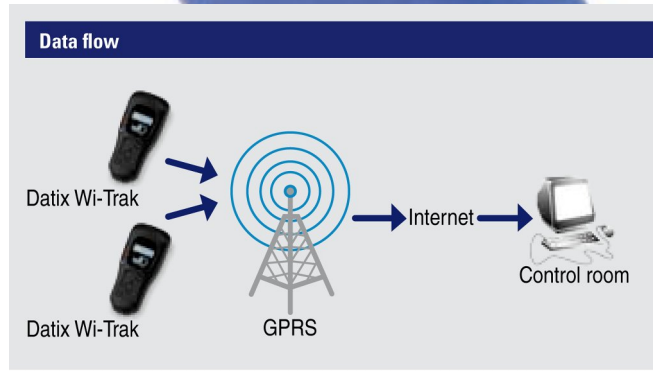
The Datix Systems management is based on a set of scalable software applications that are customized to meet the real Customer needs. The management modules (guard tour, time&attendance, personal safety) and the components, added to receive and monitor data through GSM/GPRS, can be combined to obtain the desired system distribution. There is availability of either stand alone configurations or Client/Server configurations based on a SQL database.

### Software Integration

**Wi-Trak is offered with the TourTrax Patrol Management Solution.**

TourTrax is an Enterprise Class Client/Server application designed specifically to handle Guard Monitoring and Reporting Activities.

At the core of the system, a server application able to monitor in real time via GPRS the on field activity of the devices and the danger conditions of the operators (panic alarms, and "man down"). The user interface signals through visual and acoustic alarms any detected anomaly by assuring the monitoring center just-intime actions targeted to solve a problem and to allow its future prevention. Once decoded and suitably handled the data received is stored SQL database and they can be exported to third party applications (payroll, crew scheduling, working hour counting tools, monthly wage management,



### Datix Wi-Trak technical features

- 32 bit core microcontroller
- Non volatile EEPROM memory
- USB local communication
- Li-Ion rechargeable battery
- 3V Lithium backup battery for RTC
- Motion sensor
- Vandal Detection System
- 125 KHz RFID tags reading
- R/O and R/W RFID tags capable
- Quad-Band GSM (850/900/1800/1900)
- GPRS class 10
- Audio & Voice
- Emergency calls
- Panic alarm
- Man Down alarm
- 20 channels GPS receiver
- Active GPS antenna
- Membrane keyboard
- Ultra-brilliant graphic display
- Power saving & Low power consumption
- Enclosure: Bayer Bayblend
- Weight: 235 gr.
- Dimension: 150 x 64 x 42 mm
- Certification: CE

### Wi-Trak

#### Datix Wi-Trak configurator

The following table shows the available configurations for Datix Wi-Trak.

The device technical features change according to the selected configuration.

	Datix WT- 1	Datix WT- 2 (G)	Datix WT- 3 (G)(D)	Datix WT-4 (G)(D)
32 bit CPU	√	√	√	√
EEPROM	√	√	√	√
USB	√	√	√	√
Li-IoN Rech.Battery	√	√	√	√
Motion sensor	√	√	√	√
Vandal Detect. System	√	√	√	√
RFID	√	√	√	√
GSM/GPRS	-	√	√	√
GPS	-	•	•	•
Audio&Voice	-	-	√	√
Emergency Calls	-	-	√	√
Panic	-	-	√	√
Man Down	-	-	√	√
Keyboard	-	-	√	√
Display	-	-	•	•
Indoor tracking (RFID)	-	-	-	√
<b>SUGGESTED APPLICATION</b>	<b>Guard Tour System</b> - no real time-	<b>Guard Tour System Time&amp;Attendance</b> - with real time - - with/without GPS - - no man Down -	<b>Guard Tour System Time&amp;Attendance</b> -with real time& Man Down- -with/without GPS&Display- - with Keyboard -	<b>Man Down System</b> -with/without GPS&Display- - with Keyboard -



# TourTrax On-line Patrol Monitoring

