CONTRONICS®

TECHNOLOGY MADE SIMPLE

A little history

Until 1995 the control of patrol officers and watchmen was performed with a cylindrical shaped device that was large and heavy called a "Watch Clock". It was created in the 1870's by AA Newman. The Watch Clock made by Newman can still be found in use today in the 21st century. Internally it has a cardboard disc that performs a complete revolution every 24 hours. Keys were chained in places where the "night watchman" had to go. When you insert the key in the Watch Clock, a needle made a hole in the cardboard disk. According to the position of the hole you could tell what sites had been visited by the patrol officer and at what time the visit occurred. One hundred and twenty-five years later, in 1995, the engineers who founded Contronics created the first electronic tour device using technology based around the iButton that had been recently launched in the U.S. by Dallas Semiconductors Inc. The inventors of the original electronic tour device did not have the needed to patent the invention. To patent a new invention is a process that can take more than a decade and requires a large amount of money that the inventors did not have. Furthermore, after obtaining a patent they still needed money to defend it from other companies that violated it, a task impossible for a company that doesn't have a staff of lawyers. So the inventors decided to evolve and continually improve their invention. With a small portion of the amounts that would be spent on patents and to enforce their patents, the inventors have devoted themselves to create even better products. So if someone could copy their device, they would be a step ahead and have a new, better product to introduce to the market.

And that is exactly what is happening with Contronics: when other companies manage to make copies of our products, usually of inferior quality to the original, Contronics has a new product, modern and with new features to offer. The years have shown that this strategy is appropriate and decisive. This produced an evolution and continuous improvement in products and services offered by Contronics , as well as allows us to maintain our leadership in the global market.

Therefore it is natural that Contronics is the company with the greatest number of options in electronic tour devices, always offering the most modern and advanced equipment. After all, Contronics tour verification products are sold in more than 60 countries.

When purchasing solutions from Contronics to monitor officers and their patrols, you can always count on the support and maintenance of the manufacturer if and when the need arises - peace of mind that only the inventors and manufactures of the technology can offer. And what's even better, we have several distributors around the world to assist you locally.

Watch Clock manufactured by Newman in 1902

Keys that were chained at locations that the patrol officer would visit
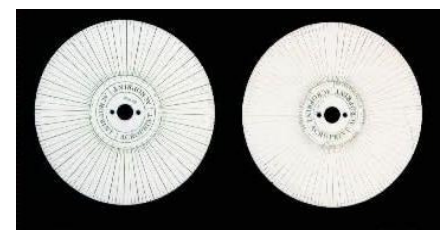
Cardboard disks that were placed inside the Watch Clocks and punched each time a patrol officer would insert a key

PC Software

Guard On-Line:

Guard On-Line (GOL) is known as a high-performance software application that includes all the features of PROGuard as well as many other advanced functions, including real time monitoring via the web. In fact, more than PC software, GOL is a system composed of several executable programs; they all behave in a simple and integrated way, without complication. GOL is provided in several versions and sub-versions so we have a product that will meet your needs.
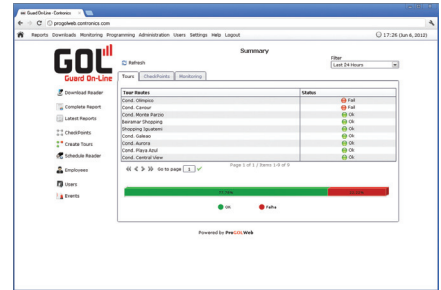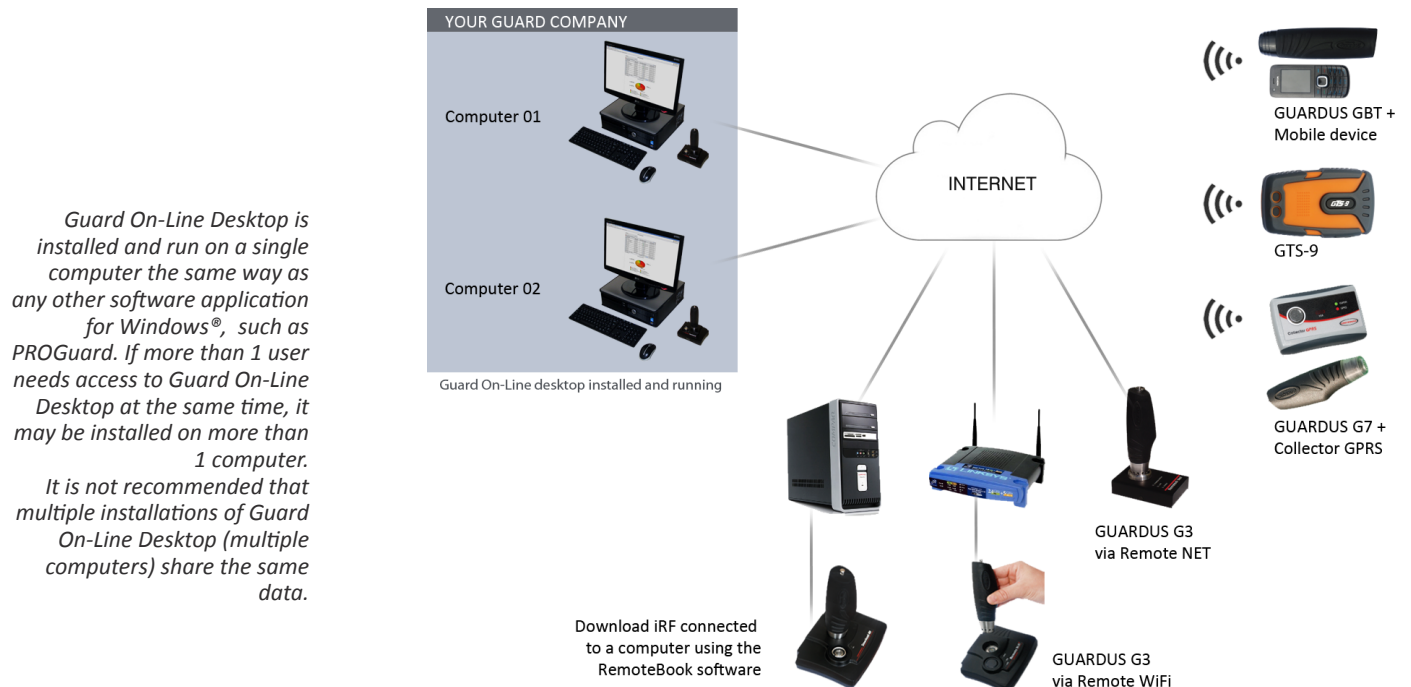
Versions of Guard On-Line:
Guard On-Line is available for:
1. *Desktop*
2. *Enterprise*
3. *WEB*

Guard Online is avaible in 3 versions :
a) *Light*
b) *Professional*
c) *Enterprise*
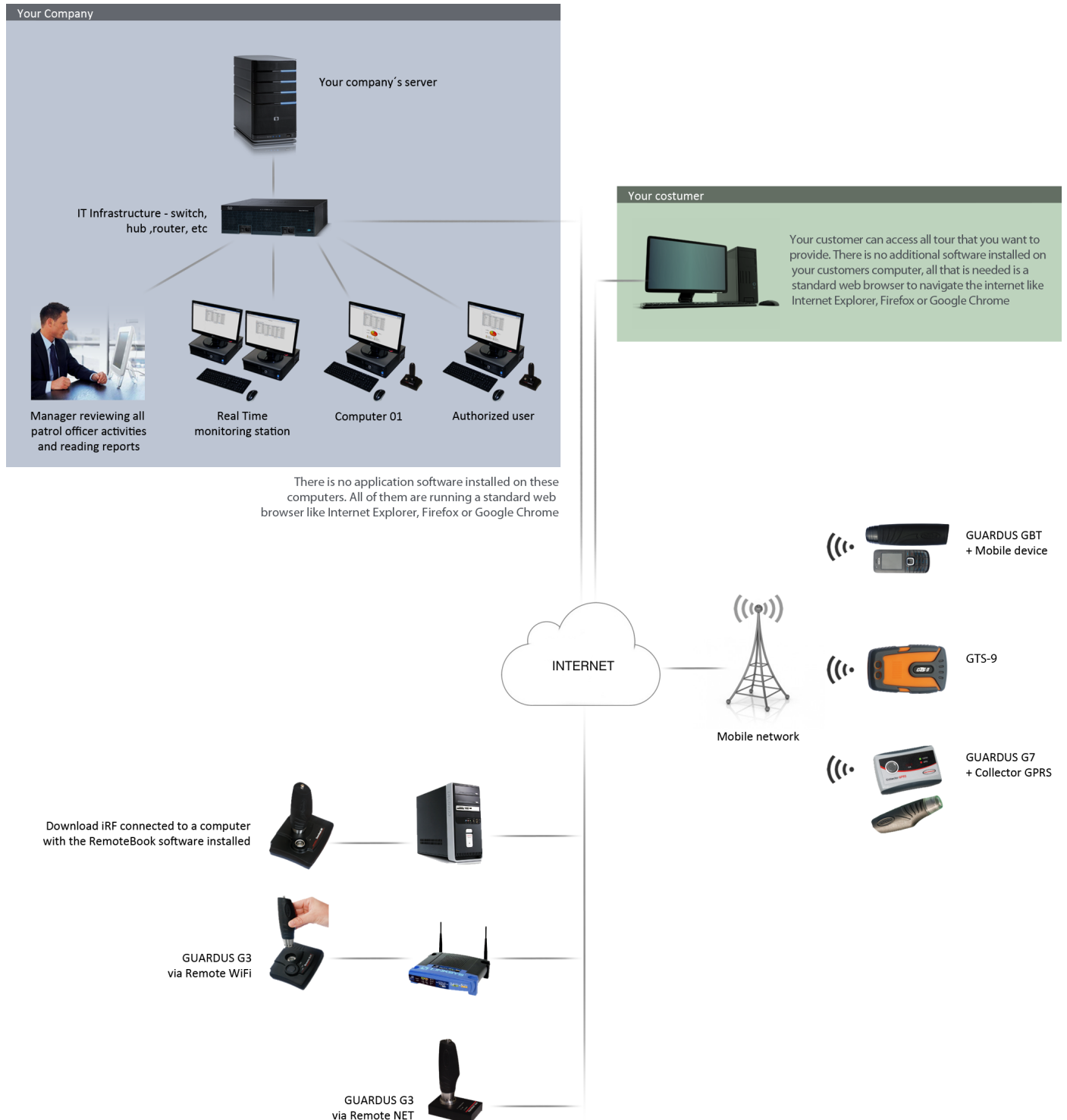

Guard On-Line Desktop:

Guard On-Line Desktop runs on Windows 7 and XP operating systems on desktop computers or conventional workstations (not recommended for servers). Besides all the features of PROGuard, it has a database manager that facilitates the control of tours conducted with several different devices.

Requirements: Internet Explorer 7 or greater, which is already part of MS Windows.

Guard On-Line Desktop is installed and run on a single computer the same way as any other software application for Windows®, such as PROGuard. If more than 1 user needs access to Guard On-Line Desktop at the same time, it may be installed on more than 1 computer.
It is not recommended that multiple installations of Guard On-Line Desktop (multiple computers) share the same data.

YOUR GUARD COMPANY

Computer 01

Computer 02

Guard On-Line desktop installed and running

INTERNET

GUARDUS GBT + Mobile device

GTS-9

GUARDUS G7 + Collector GPRS

GUARDUS G3 via Remote NET

Download iRF connected to a computer using the RemoteBook software

GUARDUS G3 via Remote WiFi

Guard On-Line Enterprise:

Guard On-Line Enterprise is installed and runs on a dedicated computer or server in your company. We recommend using Windows Server 2008 or higher, it also works under Windows 7 and XP operating systems. It has a web interface and users access it through a web browser just as if they are surfing the internet. It is especially recommended for large and medium companies.
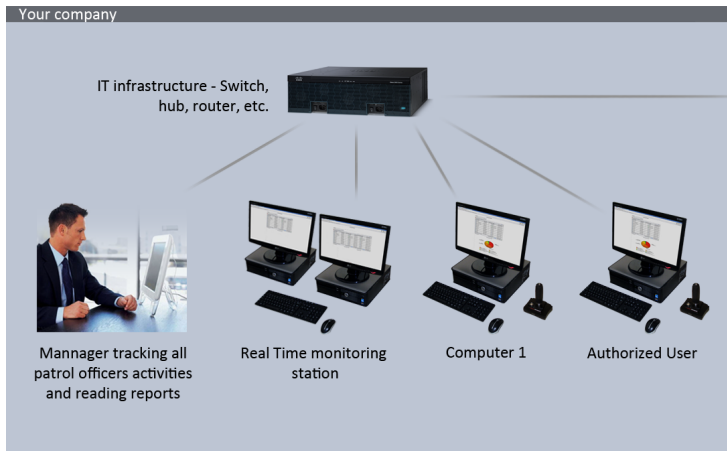
Your Company

Your company´s server

IT Infrastructure - switch, hub ,router, etc

Manager reviewing all patrol officer activities and reading reports

Real Time monitoring station

Computer 01

Authorized user

Your costumer

Your customer can access all tour that you want to provide. There is no additional software installed on your customers computer, all that is needed is a standard web browser to navigate the internet like Internet Explorer, Firefox or Google Chrome

There is no application software installed on these computers. All of them are running a standard web browser like Internet Explorer, Firefox or Google Chrome

GUARDUS GBT + Mobile device

INTERNET

Mobile network

GTS-9

GUARDUS G7 + Collector GPRS

Download iRF connected to a computer with the RemoteBook software installed

GUARDUS G3 via Remote WiFi

GUARDUS G3 via Remote NET

Guard On-Line WEB:

Absolutely no application software needs to be installed on your companies computers, all you need is a web browser. The entire infrastructure of servers, database managers, back up, air conditioning, power supply with redundant UPS and generators, everything is provided by Contronics and our business partner, Blin Data Center.

Guard On-Line WEB is provided under the SAAS concept - Software As A Service. You focus on your business and let us manage the information technology aspect of tour verification.

Guard On-Line WEB is a web based solution with a broad spectrum, it is recommended for small security companies that have no IT department or for which the costs of building a Data Center is impractical. It is also recommended for large corporations with thousands of customers, many offices and subsidiaries around the world.

Your company

IT infrastructure - Switch, hub, router, etc.

Mannager tracking all patrol officers activities and reading reports

Real Time monitoring station

Computer 1

Authorized User

There is no application software installed on these computers. All of them are running a standard web browser like Internet Explorer, Firefox or Google Chrome
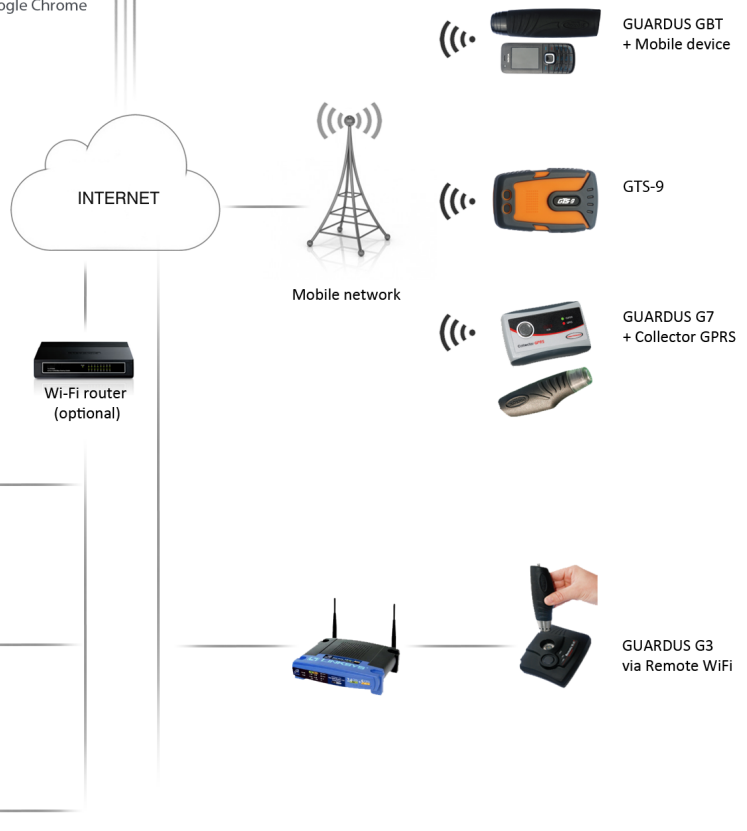
DATA CENTER

BLIN DATA CENTER

Contronics servers and IT infrastructure are located just on hop from the main internet backbone. No other access can be faster.

Your customer

Your customer can access all tour that you want to provide. There is no additional software installed on your customers computer, all that is needed is a standard web browser to navigate the internet like Internet Explorer, Firefox or Google Chrome

GUARDUS GBT + Mobile device

INTERNET

Mobile network

GTS-9

GUARDUS G7 + Collector GPRS

Wi-Fi router (optional)

Supervisor downloading information from Guardus wands to the Collector and transferring it to Guard On-Line

Download iRF connected to a computer with the RemoteBook software installed

GUARDUS G3 via Remote WiFi

GUARDUS G3 via Remote NET

COMPARISON TABLE
Versions & Sub-Versions of Guard On-Line:

Version	Sub-Version	Licensed product	Maximum devices	Remote download supported	Remote download supported	Has the same features as PROGuard (Customized descriptions)	Automated report scheduling	Report delivery via email	Monitoring and monitoring profiles	Schedule device programming	Company ID required for login	Operational Office registration supported	Client registration supported	Facility registration supported	Site registration supported	Checkpoint registration supported	Server registration supported	Employee registration supported
Desktop	Light	-	10	(1)	-	-	-	-	-	-	(2)	-	v	-	-	v	-	-
Desktop	Pro	v	-	v	-	v	-	-	v	-	(2)	-	v	-	-	v	-	-
Enterprise	Light	v	30	v	-	-	-	-	-	-	v	-	v	-	-	v	-	-
Enterprise	Pro	v	(3)	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
WEB	Light	v	30	v	-	v	-	-	-	-	v	-	v	-	-	v	-	v
WEB	Pro	v	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v

v Yes

- No

(1) Desktop Light cannot receive remote downloads from the Traxxer 1 but does receive remote downloads of all other Guardus & Traxxer tour devices

(2) No login required

(3) The limit of devices that can be used is based on the license purchased

PROGuard:

PROGuard is software that runs on computers with Windows® installed. It allows you to program the Guardus and Traxxer tour verification devices (except Traxxer T1), download the information, view the activities of patrol officers and employees as well as print reports.

PROGuard uses the high processing capacity of Guardus devices and its database manager. Through PROGuard, Guardus can tell you every detail of the activities that your patrol officer performed, including the checkpoints visited, times and more.

PROGuard has an intuitive interface, which means that you do not need special training or to read the manual before using it.

PROGuard is available in several languages including English and Portuguese. We believe that it is the most used tour software in the world.

PROGuard is free for Contronics customers. But before deciding to use it, consider whether Guard On-Line Desktop Light, which is also free for Contronics customers, is right for your business.

CommPC Suite for PROGuard:

CommPC Suite is software that acts as an "add-on" to PROGuard and gives it the ability to automatically receive downloads from the tour verification devices without operator intervention, from remote sites in real time.

CommPC Suite for PROGuard is free for Contronics customers.

Note: Guard On-Line Desktop Light, as well as other versions and sub-versions of Guard On-Line, already have the functionality of CommPC Suite for PROGuard built-in without requiring any software "add-on".

RemoteBook:

The RemoteBook is software that runs on Windows computers and is used to download data from the tour verification devices in remote locations, far from your company headquarters or from the site where Guard On-Line or PROGuard is installed. The data read from the tour verification devices is immediately transmitted to a central computer using any Internet connection, even mobile internet connections.

The RemoteBook is lightweight software. It can run on any computer no matter how simple or old it is, provided it has Windows XP or Windows 7 installed, which is the norm in most security posts. Even a simple netbook is capable of running the RemoteBook software. The operation is simple and robust, designed especially for use by individuals that are unfamiliar with computers or technology.

Requirements: You must have an internet connection, even if by mobile internet connection, a USB port and Windows 7 or XP.

The RemoteBook software is just one of many options offered by Contronics to download information from remote locations. The RemoteBook software is the best option when the site already has a computer with an internet connection available. The officer performing the download just needs basic access to the computer along with a USB Download station, Download iRF or another local download interface plugged to the computer to get data from the tour verification device.

RemoteBook operating on a laptop computer. A Guardus G7 is being downloaded via the USB Download Cable with Infrared.

Mobile Software:

All software for mobile devices developed by Contronics integrates with our Guard On-Line system and equipment available for GSM and iDen (Nextel) platforms.

Prerequisite software: On-Line Guard.

Mobile device requirements:

- The make and model must have been approved in advance by Contronics. Any device capable of running Java applications and has internet capability may be approved. Every day models become obsolete and new models are launched, so check with Contronics for updated information.

- Data/internet connection plan with your mobile operator. We recommend at least 2MB per month. If images are sent regularly then a minimum 20MB per month plan is recommended.

- A voice plan is not required, that is, the device doesn't have to be enabled to make or receive phone calls.

- To work in conjunction with the Guardus GBT it is necessary that the device has Bluetooth. A camera phone is desirable, it is only a requirement if you use the QR Code functions.

Before going into Contronics software for mobile devices, we need to explain a little about the technologies supported by them:

The patrol officer uses the mobile device in place of a tour verification device. An image of the QR code is taken by the camera on the mobile device and GOL-QR sends the tour information immediately to Guard On-Line

QR Code Technology:

QR stands for "Quick Response". It is a two-dimensional barcode which can easily be printed by any printer on self-adhesive labels or on signs like those used by the security companies to indicate "protected location."

The patrol officer, upon reaching his checkpoint, takes a picture of the QR-Code with the camera on his cell phone. Within the mobile device, a program is installed to communicate with Guard On-Line. Immediately the mobile devices software interprets the QR-Code and decodes its serial number identification, which is immediately sent to Guard On-Line through mobile devices internet connection.

The QR-Code is a very low cost solution, but should only be used when the company has complete confidence in their patrol officers as the QR-Code labels can be duplicated.

Requirements: a mobile device with a built-in camera.

Contronics created, developed and patented the use of QR-Code technology for tour verification.

NFC:

NFC means Near Field Communication. Mobile devices with this technology are able to communicate with other devices at a distance of 3 cm from each other. The use of these phones is more fashionable as a means of payment, causing the mobile device to behave like a credit card. In Japan, China, France, England and several other countries you can simply pass the mobile device close to the turnstile in subways, trains, buses, etc, to have the fair deducted from your credit available. In Brazil, the São Paulo subway system uses a card called "fast pass" that has an NFC chip inside it. Many vending machines, like soda vending machines for example, also accept NFC mobile device payments. The VISA credit card network is encouraging the use of NFC mobile phones to replace its traditional plastic cards.

Mobile phones equipped with NFC are capable of reading radio-frequency tags type generically called "Mifair". These tags are similar to those used by the Guardus G7, Guardus GBT and Traxxer T7, but use the 13.56MHz operating frequency instead of 125KHz (so they are incompatible). The Mifair RF-Tags exist in many shapes and sizes. They are fixed in areas that patrol officers or other mobile workers need to visit or inspect regularly. As soon as the NFC handset reads the tag, Guard On-Line immediately receives the location information of the patrol officer along with the date and time of the visit. In other words, a mobile device equipped with NFC can be used as a substitute for the tour verification device, performing exactly the same function.

Contronics created, developed and patented the use of NFC technology for the tour verification market.
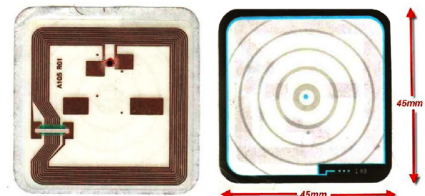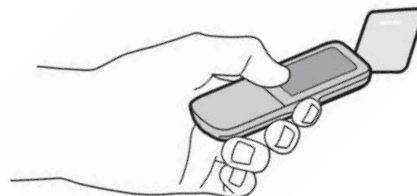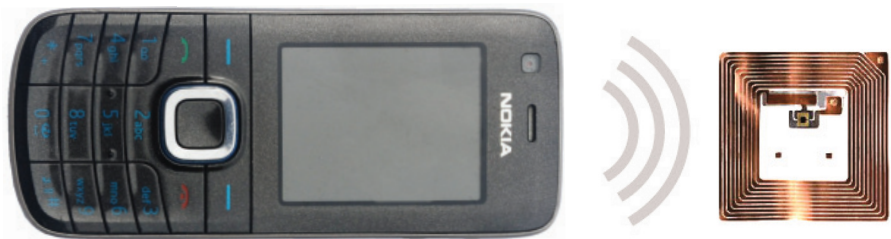
Mobile device equipped with NFC reading an RF-Tag (Illustration extract from the Nokia 6212 user manual)

The standard Mifare RF-Tags used by GOL-NFC are available in many shapes and sizes. The image above depicts just 2 of the many available options. These RF-Tags shown have adhesive on 1-side that allows them to be easily placed behind signs showing it is a protected location.

Bluetooth Technology:

Bluetooth is a radio technology that allows communication between multiple devices over a distance of around 15 meters. It is very popular with wireless handsfree systems where someone can talk on the phone without the need to place a mobile device to their ear.

The existing Bluetooth feature in many handsets can be used for tour verification monitoring and reporting as long as the staff has a Contronics device equipped with the technology, such as the Guardus GBT, the Traxxer T3-BT or the Traxxer T7-BT.

The patrol officer reads the checkpoint with the tour verification device. This transmits the information read immediately to the mobile device, which relays it to Guard On-Line.

Requirements: The handset must be approved by Contronics, but any mobile GSM or iDen (Nextel) device equipped with Bluetooth and the ability to run Java applications can be used.

```
³G ₊₁ll ⬜ G 🅱          18:12
Incident List              4
        Gol - Mobile
1: Abandoned post
2: Broken window
3: Open door
4: Hydraulic damage
5: Lights on
6: Attempt of invasion
7: Sensor damaged
8: Alarm shot
        Ok        Ls. Reg.
```

Mobile device screen showing an example of the "Events Wallet" that the patrol officer can select and send immediately.

Event Logging and Incident Images:

All of the software options developed by Contronics for mobile devices have a feature known as the "Event Wallet". Guard On-Line can register events and incidents that occur most frequently in the tour or at the checkpoints visited by patrol officers. A list of all events is automatically sent to the mobile device used by the patrol officer. When faced with an incident that needs to be reported immediately, the officer selects the relevant event in the list that is displayed on the devices screen. A photograph can be taken with the mobile devices camera to be attached to the event information. The patrol officer can also optionally write a short text description. All this information appears immediately in Guard On-Line and is included in the reports.

The mobile software options are: GOL-NFC, GOL-QR e GOL-PI.

Features for each option are:

	NFC Support	QR-Code Support	BlueTooth Support for Guardus GBT	Event and incident registration with images
GOL-NFC	√	√	√	√
GOL-QR		√		√
GOL-PI			√	√

All of the mobile software options require a specific Guard On-Line mobile license.

Tour Verification Devices:

Contronics offers an extensive line of models and options in our tour verification devices or wands as they are better known by our customers. As already established in the market, these are electronic devices that can be used in numerous other applications in addition to managing patrols and patrol officers. For example:

- Management of maintenance for elevators and air conditioners.

- Management of periodic inspections of equipment in industrial plants

- Recording of visits to points of sale locations, conducted periodically by sales reps selling food and beverages Verification of transportation time-tables and mileage.

Contronics has three distinct lines of wands, each composed of several models and with two options: Guardus and Traxxer. The main difference between the lines is in the design, aimed to meet a variety of specifications, trends and needs. From a technical and engineering standpoint, they all share the same high level of technological development.

iWT - Intelligent Technology in the wand:

Contronics engineers are the creators of the products now known as "Patrol Wands", which were quickly copied by many competitors and manufacturers around the world. They are nothing more than a sophisticated data collector: by touching an iButton or approaching an RF-Tag, the unique serial number was read and stored in non-volatile memory along with the date and time. It didn't matter if the patrol officer was visiting the right checkpoints or if the correct sequence was being followed. It was enough to touch the iButton with the wand for a record to be generated with the unique serial number along with the date and time information. Later the information stored within the wand was transferred to a PC with patrol reporting software installed. The software processed the results of the tours, comparing locations (checkpoints) visited by the patrol officer along with the date and time of each visit with predetermined settings. Only then could the supervisor determine if the patrol officer carried out the patrol correctly or not, and only then was it possible to know the outcome of the patrols. We call this concept "PC Centered-Processing".

All wands followed the concept of "PC Centered-Processing" because that was how the Touch-1, the first, and original wand created by Contronics worked. The "center" or the report processing, was done on the computer, not on the wand.

But in the late 1990s Contronics engineers had a vision that revolutionized the tour verification industry: Instead of processing the tours on the computer, why not have the wand do the processing? Why not migrate all the intelligence, the database and processing power that was in the PC into the wand? The fact is that it represents an enormous technical challenge; as it is a portable device it must be powered by batteries, should be robust and vandal resistant, it should perform the same work previously performed by a computer which has no problem with energy consumption as it is plugged in, not to mention the computer is not made to withstand abuse.

Thus was born the "Contronics Guard-1", the first wand with iWT technology and the predecessor of the Guardus G3 Classic. The "center" or the report processing computer went to the wand. That is, the processing became centered on the wand. What's the point? More than to just manage the patrol officer, now the wand can walk the guard through the patrol, with signals indicating if he is doing his job correctly. For example, if a patrol was scheduled to start at 2am and at 2:10 the patrol officer had not started the patrol, the tour verification device sounds an alert for (or even wakes) the patrol officer. If the patrol officer visits an incorrect checkpoint the tour verification device emits a low and long sound, like a "Bop", which on its own conveys the feeling of "oops! I did something wrong". If the patrol officer visits the correct checkpoint, as scheduled, a "beep" with a light-hearted sound will be heard. Successfully finishing the patrol, the patrol officer will hear the melody of "Happy Birthday". There are many other features that iWT technology brings to tour verification, we are only giving a few examples here. The end result is that the patrol officer misses fewer checkpoints, makes fewer mistakes and your company can submit reports to clients with fewer or even no errors.

iWT technology is unique to Contronics. All other wands from other manufacturers are still following the concept of " PC Centered-Processing". The wands manufactured by Contronics are the only ones available with iWT – "device-based processing"

Compatible Identifiers for Tour Identification Devices:

Identifiers are microchips – electronic devices that come with an identification number, otherwise known as a serial number, that the tour identification device reads. There are no identifiers with the same serial number. When used for tours, the identifier is installed at a location that needs to be checked by the patrol officer – in this case they are referred as "checkpoints". They can also be attached to the patrol officer's identification badge. The identifiers can be used in a variety of ways. The identifiers are:

iButtons:

iButtons are semiconductor chips that are encapsulated in a stainless steel shell with a diameter of 16mm and heights of 3mm or 5 mm. This serial number is read by the tour verification device with a simple touch. iButtons are propriety technology of Maxim/Dallas Semiconductor, a North American company that manufactures.

iButton checkpoints are usually mounted using a metal mounting plate, each mounting plate is attached at a location the patrol officer is required to visit and inspect during the tour.

RF-Tags:

RF-Tags are discs with a diameter between 30mm and 60mm containing a unique serial number that is read by Contronics tour verification devices when they are at a distance of around 2.5cm to the tag. The shape of an RF-Tag may vary according to the manufacturer and model. There are many patterns and technologies available. The standard that the Guardus and Traxxer tour verification devices work with is 125KHz compatible with EM Marin EM4102. Contact Contronics for a list of approved manufacturers and models of RF-Tags.

In this image you can see a patrol officer using a Guardus GBT to register he has visited a location by reading a checkpoint. Behind the sign an RF-Tag is installed. Note: to register that the location has been visited, the device does not need to make physical contact with the RF-Tag checkpoint, it just needs to be in close proximity to the checkpoint.

The sequence of how to read an iButton checkpoint with a Guardus G3.
Note: to register that the location has been visited, the device needs to make physical contact with the checkpoint.

Guardus – Tour Verification Device Product Line:

The Guardus product line is entirely developed, designed and manufactured in-house by Contronics and is now used in more than 60 countries. We believe the Guardus tour verification device product line is the most sold in the world.

Guardus G3 Classic:

The Guardus G3 Classic is a Guardus model that works with iButtons.

Guardus G3 classic specifications	
iWT: Intelligent Wand Technology	Yes
Identificators technology	iButton (contact reading)
Data download	1-Wire interface
Power supply	9 V Battery – NEDA 1604 size - Alkaline.
Estimated battery life	3 - months
Storage Capacity	Over 5,000 readings, this is sufficient for approximately 3-months of information without download under normal conditions
Non-Volatile Memory	Data is retained indefinitely without a main battery
Estimated life of device	10 - years
Material	Duralinium body with a stainless steel head and protective rubber cover
Alerts	Light and sound
Protection Class	IP62 Complete protection against dust. Rain resistant.

Guardus G7:

The Guardus G7 is the Guardus model that works with RF-Tags (read by proximity).

Guardus G7 specifications	
iWT: Intelligent Wand Technology	Yes
Identificators technology	RF-ID 125KHz compatible with EM4102 standard
Data download	1-Wire interface
Power supply	Standard 1.5V C size Alkaline battery
Estimated battery life	4 - months
Storage capacity	Over 5,000 readings, this is sufficient for approximately 3-months of information without download under normal conditions
Non-Volatile Memory	Data is retained for up to 10-years without a main battery.
Estimated life of device	10 or more years
Material	Duralinium body with a polymer head (as tough as steel) and protective rubber cover
Alerts	Light and sound
Protection Class	IP62 Complete protection against dust. Resistant to rain.

Guardus G3-V9:

The Guardus G3-V9 is a Guardus model that works with iButtons, it uses 1.5V batteries instead of 9V batteries.

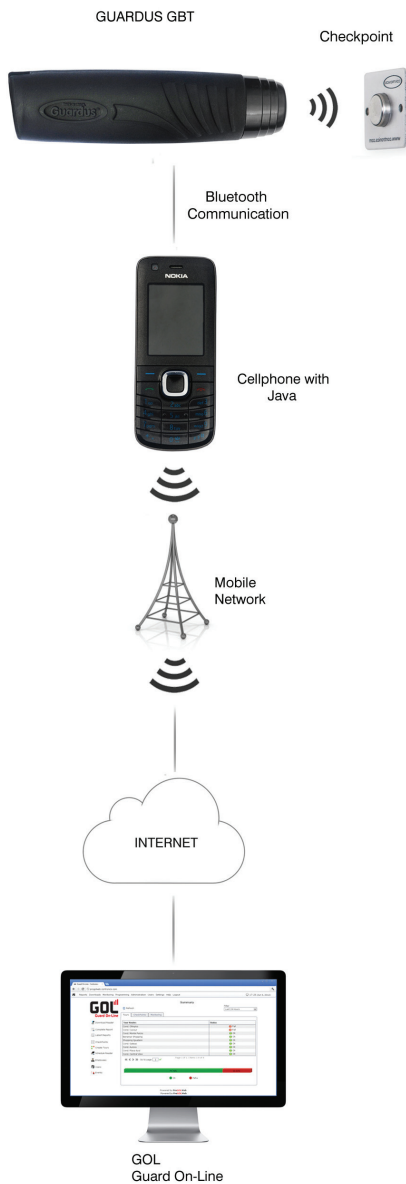| Differences of the Guardus G3-V9 compared to the Guardus G3 Classic	
Power source	Standard 1.5V C size Alkaline battery
Estimated battery life	9-years
Impact sensor	Yes

Guardus G3-V9-L:

The Guardus G3-V9-L is a Guardus model that works iButtons, it uses 3.6V Lithium batteries instead of 9V batteries

The Guardus G3-V9-L is recommended when the patrol officer or mobile worker cannot, under any circumstances, have access to the battery compartment, such as in prisons or places with imminent danger of explosions, like on oil drilling platforms and refineries.

Differences of the Guardus G3-V9-L compared to the Guardus G3 Classic	
Power source	Lithium C size3.6V battery, replaceable by authorized Contronics service and repair centers.
Estimated battery life	3-years
Impact sensor	Yes

GUARDUS GBT

Checkpoint

Bluetooth
Communication

Cellphone with
Java

Mobile
Network

INTERNET

GOL
Guard On-Line

The Guardus GBT:

The Guardus GBT is a tour verification device that works with iButtons as well as with RF-Tags. It has all the features available in other Guardus products. However, in addition it has Bluetooth communication built in that allows all information recorded or read to be immediately sent to a central monitoring station via a mobile device, this makes it a real-time device. Take the case where the Guardus GBT is used to manage tours, events and incidents, the patrol officer, when inspecting a location, uses the Guardus GBT to read an RF-Tag or iButton checkpoint installed there. Immediately after reading the checkpoint, the Guardus GBT transfers the patrol information via Bluetooth communication to a mobile device with Bluetooth. The mobile device needs a version of Contronics mobile device software, GOL-PI for example. The mobile phone then transfers the data to a server, computer or central monitoring station where Guard On-Line software is installed. The maximum distance between Guardus GBT and the mobile phone is 15 meters (the phone is usually left in the patrol officers pocket). The Guardus GBT's head is manufactured by an injection process developed exclusively by Contronics, with the same polymer plastic used in bulletproof shields used by the Police. Some features of the Guardus GBT are set-up through PROGuard or Guard On-Line software. In other words, to use certain features of the Guardus GBT it is first necessary to connect it and program its settings using the software. The Guardus GBT can also be used in applications where it is not necessary to monitor the tours, in which case there is no need to have mobile device. To be able to use the Guardus GBT in real time it is necessary that the mobile phone has the following features:

- GSM or iDen Technology (Nextel™)
- Bluetooth
- he ability to run JAVA applications
- Install and have running one of Contronics mobile phone applications such as GOL-NFC, GOL-QR or GOL-PI
- A mobile phone plan capable of data communication/internet access

Alternatively you can use a portable computer to replace the mobile phone (like a notebook, netbook or tablet) as long as it meets all the requirements above.

Guardus GBT Specifications	
iWT – IntelliWand Technology	Yes
Identification technology	• iButtons (requires reader contact) • Tag-RF – 125KHz compatible with EM4102 – proximity reader
Data download	1-Wire interface
Power supply	2 x standard 1.5 AA – Alkaline batteries
Estimated battery life	6-months
Storage capacity	Over 5,000 checkpoints, this is sufficient for approximately 3-months without downloading under normal conditions, subject to usage
Bluetooth range	Up to 15-meters under normal conditions but can vary from 5meters to 30 meters, condition dependent
Non-volatile memory	Data is retained for up to 10-years without a main battery.
Life expectancy of the device	10-years
Material:	Polymer-based polycarbonate body, head manufactured from a special process created by Contronics and protective rubber cover

Traxxer – Tour Verification Device Line:

From the creators of Guardus, Traxxer is a comprehensive family of devices created for tour verification. Traxxer keeps track of mobile & remote workers that operate in the field, allowing you and your company to know where and when your staff has been along with the details of recorded events and incidents. Traxxer has been developed in Contronics research and development labs by the same engineers that designed the very first tour verification device back in the 90's, this means that Traxxer takes advantage of all the experience and knowledge accumulated since then. Traxxer is a world class family of products from Contronics – this means that Traxxer devices are designed so they can be manufactured in several countries similar to car manufacturers. Car manufacturers have the same strategy – cars they design are manufactured in several factories around the globe. Contronics has its own staff in overseas locations supervising the entire assembly process and being responsible for quality control.

Traxxer T1:

The Traxxer T1 tour verification device is made with the same quality, durability and reliability as all other Contronics products, but with a price equal to or less than devices copied or created by low cost manufacturers and sold under various brands.

Traxxer's main features are:

- Fully water-proof. IP67 protection level, which means it can be submerged in water indefinitely without damage. It provides superior levels of protection in environments with dust and dirt.

- To be totally waterproof the Traxxer T1 is completely sealed - it does not have any holes. For this reason it has light-only alerts.

- Compact and lightweight.

- It is designed for the battery to last for up to 5 years under normal operating conditions and is enclosed in a sealed compartment so it is not is accessible to the patrol officer.

Traxxer T1 specifications	
iWT: Intelligent Wand Technology	Yes
Identificators technology	iButton (contact reading)
Data download	1-Wire interface
Power supply	3.6 V Lithium Battery. Replaced by a authorized Contronics service and repais centers.
Estimated battery life	4 - years
Storage capacity	Over 5,000 readings, this is sufficient for approximately 3-months of information without download under normal conditions
Non-Volatile Memory	Data is retained for up to 5-years without a main battery.
Estimated life	10 - years
Material	Silicon Rubber Cover, Stainless steel body
Alerts	Light
Protection Class	IP67 Complete protection against dust. Can be immersed in up to 1 meter of water for up to 30 minutes

Traxxer T3:

The Traxxer T3 presents an innovative design unlike any other. It has frontal access to the equipment's internal components, not the rear. To open it you need a special key provided by Contronics. The electronic circuit is very well protected, packed and cushioned against impact, making it even stronger than the Guardus line tour verification devices. The sound and visual alerts are positioned at the rear in direct view of the user, not at the front as it usually is. Available in a variety of colors.

Traxxer T3 specifications	
iWT: Intelligent Wand Technology	Yes
Identificators technology	iButton (contact reading)
Data download	1-Wire interface
Power supply	Standard 1.5V C size Alkaline battery
Estimated battery life	Up to 7-months subject to usage
Storage capacity	Over 5,000 readings, this is sufficient for approximately 3-months of information without download under normal conditions
Non-Volatile Memory	Data is retained for up to 5-years without a main battery.
Estimated life	10 - years
Material	Silicon rubber cover Duralinium body. Rear end made of a special plastic polymer that is bullet resistant.
Signaling	Light and sound signaling.
Protection Class	IP65 Complete protection against dust. Resistant to heavy rain/water.

The Traxxer T3 can only be opened by a special tool provided by Contronics. After removing the front cover, the entire central block containing the electronic circuit comes out for easy battery replacement.

Traxxer T3-L

Same as Traxxer T3 in almost every way, but it uses a lithium 3.6V battery that is expected to last for up to 3-years. It is recommended for critical applications and harsh environments such as maximum security prisons, oil drilling platforms, refineries, etc.

Differences of Traxxer T3-L compared to Traxxer T3	
Power	3.6V C size Lithium battery, replaceable by authorized Contronics service and repair centers.
Estimated battery life	3-years
Contronics part number	500.00431

View of the front of the Traxxer T7 that is used to read the RF-Tags.

Traxxer T7:

The Traxxer T7 is the same as the Traxxer T3 except that that it works with RF-Tags instead of iButtons. The body is 1.5cm longer than the T3 and the download and programming is through the back by infrared. In fact, the transfer of data of Traxxer T7 is greatly facilitated by the "Traxxer Download USB", which visually indicates alignment of the infrared port making this operation obvious and natural.

Traxxer T7 specifications	
iWT: Intelligent Wand Technology	Yes
Identificators technology	RF-ID 125KHz compatible with EM4102 standard
Data download	Infrared communication interface
Power supply	Satandard 1.5V C size Alkaline battery
Estimated battery life	5-months subject to usage
Storage capacity	Over 5,000 readings, this is sufficient for approximately 3-months of information without download under normal conditions
Non-Volatile Memory	Data is retained for up to 5-years without a main battery.
Estimated life of device	10 - years
Material	Silicon Rubber Cover Duraluminum boby. Rear end made of a speciall plastic polymer bullet proof resistant.
Alerts	Light and sound.
Protection Class	IP65 Complete protection against dust. Resistant to heavy rain/water.
Material:	Complete protection against dust. Resistant to rain and drop of water.

The Traxxer T7 shown here in black

Introduction to
Contronics Interfaces:

Guardus Interfaces:

Interfaces are devices used to download the information from tour verification devices to the computer software being used. They are also used for setting the operational aspects of the tour verification device and for reading the unique serial numbers in iButtons & RF-Tags. Contronics is known for having the greatest variety and more choices for downloading information from remote locations.

Collector GPRS:

The **Collector GPRS** is a portable device used for downloading, storing and transmitting information from tour verification devices to the monitoring station or your company's headquarters via a mobile data network in real time.

If there is no mobile coverage when the information is collected from the tour verification device, the information is stored in the Collector GPRS that will transfer it as soon as coverage is available.

For mobile communication you need to insert a GSM SIM from your mobile provider that has data network access.

Should you use it to monitor patrols, when a patrol officer touches Guardus G3 or Traxxer T3 against the Collector GPRS, or when the Guardus G7 or Traxxer T7 is aligned to the infrared port, the information will automatically download to the Collector GPRS` memory. Soon after that, the Collector GPRS will transfer it via the mobile data network (when available) to your companies headquarters or central monitoring station.

The non-volatile memory in the Collector GPRS can store up to 500 downloads from tour verification devices without mobile data communication available.

Collector GPRS receiving data from a G3 Guardus to be immediately relayed to the central station by cell phone.

Collector GPRS Specifications	
Communication	GSM cellular using the data channel, a mobile data plan and internet access is required.
Cellular technology	Quad-band
Power source	Rechargeable battery. Expected battery life is 7-days between recharges
Storage capacity	Up to 500 Traxxer or Guardus downloads
Battery removal sensor	Yes
Compatible software	Guard On-Line is recommended. Is compatible with PROGuard with Comm PC Suite for PROGuard
Material	Polycarbonate body with rubber details/grips

Technology Made Simple

The Collector and Collector GPRS can be safely and securely stored in a nylon holster that is attached to a belt.

Collector:

The Collector is a portable device used to carry tour verification device information, from the checkpoints to a computer. Previously, the supervisor would have to go to the security posts, collect all of the tour verification devices and then take them back to the company's headquarters where they were downloaded. Then the tour verification device had to be taken back to the security posts. Meanwhile, the patrol officer couldn't perform any tours! The Collector has enabled businesses to stop this expensive operation! Now the supervisor does everything in one visit, including download the information from the tour verification device. The supervisor is then able to download information from hundreds of tour verification devices before returning to the office, where it is then transferred to a computer. The Collector is identical to the Collector GPRS but does not have mobile communication. It is lightweight and ergonomic. It comes with a nylon holster, which allows it to be easily and securely carried at all times. Powered by two standard AA batteries, the Collector does not need to be recharged with a cigarette lighter, which would make its use non-viable for supervisors who travel on motorcycles or when it is already in-use by other equipment. The Collectors memory stores up to 510 downloads. Once the information is stored, simply connect a mini-USB cable to the Collector and download it to a computer.

The supervisor goes to the security posts where the information is downloaded to the Collector or Collector GPRS from the tour verification devices. When the supervisor returns to base, the information is then transferred to a computer by simply plugging in a USB cable. The whole process is easier than downloading photos from a digital camera.

Remote Wi-Fi:

The Remote Wi-Fi allows Contronics tour verification devices to download information to a computer at your companies headquarters or to Guard On-Line via standard Wi-Fi (802.11g and 801.11b)

It is very common for customers of security companies to not allow third party equipment to be plugged into their data networks and internet connections. But these same companies often provide internet access via their wireless (Wi-Fi) networks. The most common case is with bank branches - IT (Information Technology) professionals of the banks simply do not allow the company responsible for security of their branches to connect any equipment into its standard internal network as they are concerned about security. This does not happen when it comes to Wi-Fi networks where there is no vital information being transferred.

The Remote Wi-Fi is a good option for the transmission of the patrol information in real time when the patrol officer works at a fixed location. We believe that Remote Wi-Fi is a unique product and that there isn't another similar product in the global security market.

It comes with configuration software that is very easy to use. The Remote Wi-Fi has communication via infrared and 1-wire so you can download information from all Guardus devices.

Remote Net:

The Remote Net allows patrol information collected by a Contronics iButton tour verification devices to be downloaded to a computer in your company's headquarters or Guard On-Line via wired networks and the internet (with TCP/IP). It is an economic solution to download the patrol information by sending it immediately to the headquarters of your company or to Guard On-Line. The Remote Net has an RJ45 connection on the back panel of the device.

A Guardus G3-V9 being downloaded via a Remote Net

Remote Modem:

The Remote Modem allows you to download the patrol information collected by Guardus iButton tour verification devices from a conventional landline. It is recommended for remote areas where you can't get a network connection or a mobile internet service.

The patrol officer simply places the tour verification device on the Remote Modem and it will instantly start the downloading process then notify when the transmission is completed. The information can be downloaded to any computer that has a dial-up internet/fax modem installed. By using the Remote Modem you will save time and money by not having to remove the tour verification devices from the assigned locations.

Download iRF:

The Download iRF allows the tour verification device downloads and settings functions to be performed via a USB port in the computer. The Download iRF also allows easy reading of the serial numbers from iButtons and RF-Tags. The Download iRF is Contronics recommended interface for downloads where there is a computer available for use with PROGuard or Guard On-Line Desktop.

A Guardus G3 Classic downloading information using a Download iRF

Connect:

Connect allows the patrols to be monitored **in real time by any alarm monitoring station**. Connect is attached to two zones of any of the sensors like PIR (infrared sensor). Connect automatically copies all patrol information from the Guardus iButton tour verification device to its own non-volatile memory. In other words: Connect knows the tours the patrol officer is supposed to perform, the checkpoints the patrol officer is supposed to visit and when the patrol officer is supposed to visit them.

Soon after completing each tour, the patrol officer places the Guardus device into the Connect downloader. If the patrol was successfully completed, the Connect will connect with Zone 1. The alarm panel will send a "Contact ID" message to the central monitoring station that can display on-screen and in the reports that the patrol was successfully completed. However, if the patrol officer does not complete the patrol correctly and/or by the time it needs to be completed by, Connect will connect with Zone 2 and the central monitoring station will receive a "Not completed" or "Tour Fail" message on-screen and in the reports.

Connect allows your support staff to follow the patrol officers in real time. It also adds great value to the electronic tour control as it does not require frequent checks of patrol officers by supervisors.

USB Download Cable:

The USB Download Cable is the low cost interface in the Guardus line. It allows you to download and set-up the Guardus tour verification devices with a computer. To use the information downloaded, you just need to install Contronics desktop software (Guard On-Line Desktop or PROGuard), or it can be sent directly to Guard On-Line Web.

It can read iButtons, as long as it is placed directly in contact with the tip. Its only limitation is not being able to read RF-Tags.

USB Download Cable with Infrared:

The USB Download Cable with Infrared is the same as the USB Download Cable but it has an infrared port that allows you to download and set-up Guardus G7 devices in addition to other Guardus iButton devices like the Guardus G3 Classic and Guardus G3-V9.

iButton Events Wallet and RF Events Wallet:

The iButton Events Wallet is a nylon or leather wallet with 12 iButtons, numbered from 0 to 9 plus "CLEAR" and "ENTER". With Guard On-line or PROGuard software, you can record the most common events and incidents that may happen during a patrol officers tours or during visits of other staff. When at a location with a checkpoint, the patrol officer reads the iButton or RF-Tag checkpoint that is installed at the location with the tour verification device. If the patrol officer notices any irregularity or needs to record additional information, the patrol officer can take out the events wallet and read the numbers that corresponds with that event or incident. Let's say that there is a broken window incident with the code "45", if the officer wants to or needs to include this information with the patrol reports, he will read with his tour verification device the number "4" then the number "5" before reading "ENTER". If he wants to inform a second event or incident at the same location, the officer then repeats this process with the corresponding code to the event or incident being recorded. Every incident recorded can be included on the reports in plain text – not as a code.

iButton Events Wallet

The Events Wallet can also be used to inform numerical values: For example, to read electricity measurements. After reading the checkpoint installed next to a power meter, the patrol officer reads the events wallet numbers that correspond to that reading. Another example is the monitoring of in-the-field employees such as maintenance technicians for air conditioning or elevators as an example. The technician can include the codes for every part that is replaced simply by reading the numbers that corresponds in the Events Wallet with the tour verification device. The RF-Tag Events Wallet is identical to the iButton Events Wallet but it uses RF-Tags instead of iButtons.

A Guardus G7 reading an RF-Tag Events Wallet.

Interfaces for the Traxxer Line:

A Traxxer T3 downloading information using a Download Traxxer USB

Traxxer Download USB:

The Traxxer Download USB has the same functionality as the Gardus Download iRF but with some additional features.

It allows the setting up of the Traxxer tour verification devices (except the Traxxer T1 that does not support iWT Technology). The Taxxer T3 is inserted in the reader with the front end facing down and there is no need for it to be specially aligned. Simply place the Traxxer T3 inside.

The rear of the Traxxer T7 is placed inside the downloader. When the infrared port aligns itself with the Traxxer Download USB correctly, the rim lights up indicating that the Traxxer T7 is correctly inserted and aligned with the downloader. Simple and easy!

The Traxxer Download USB also reads iButtons and RF-Tags. It does not require an external power source, simply connect it to a USB port on the computer and it will send the information to Guard On-Line.

Traxxer USB Cable:

The Traxxer USB Cable is the low cost interface that is part of the Traxxer line. It has a 1-wire interface (no infrared interface is available with the Traxxer USB Cable) and it is especially recommended to be used with the Traxxer T1 tour verification device. With just a little trick or by replacing the tip, it will read iButtons also.

Contronics Tour Verification:

Guardus G3 Kit:

Contains:

- 1 Guardus G3 Classic or G3-V9
- 1 nylon holster for Guardus G3/G7
- 6 checkpoints (iButton with mounting plate)
- 1 Master Button
- 2 ID iButtons for employee identification, with adhesive
- 1 USB Download Cable
- 1 Contronics CD with drivers and PROGuard

Guardus G7 Kit:

Contains:

- 1 Guardus G7
- 1 nylon holster for Guardus G3/G7
- 6 RF-Tag checkpoints
- 1 Master RF-Tag
- 2 RF-Tags for identification of officers, with adhesive
- 1 USB Download Cable with Infrared
- 1 Contronics CD with drivers and PROGuard

Traxxer T1 Kit:

Contains:

- 1 Traxxer T1
- 1 nylon holster for the Traxxer T1
- 6 checkpoints (iButton with mounting plate)
- 2 iButtons for officer identification, with adhesive
- 1 Traxxer USB download cable
- 1 Contronics CD with drivers and Guard On-Line Light (Desktop)

Other kits are available. Please refer to the product list.

Device compatibility table

	GUARDUS G3	GUARDUS G7	GUARDUS V9	GUARDUS G3 V9 Lithium	GUARDUS G3 V9 PREMIUM	GUARDUS RF	TRAXXER T1	TRAXXER T3	TRAXXER T7	GOL NFC CELLULAR	GOL CELLULAR QR
PROGuard	v	v	v	v		v	-	v	v	-	-
Guard On-Line Enterprise	v	v	v	v	-	v	v	v	v	v	v
Guard On-Line Web	v	v	v	v	v	v	v	v	v	v	v
Guard On-Line Desktop	v	v	v	v	v	v	v	v	v	-	-
USB download cable	v	-	v	v	v	v	v	v	-	-	-
USB download cable w/iR	-	-	-	-	-	v	-	-	v	-	-
Serial download cable	v	v	v	v	-	v	v	v	-	-	-
Collector GPRS	v	v	v	v	v	v	(i)	(i)	(i)	-	-
Collector	v	v	v	v	v	v	(i)	(i)	(i)	-	-
Download IRF	v	v	v	v	v	-	(*)	-	v	-	-
Download USB	v	-	v	v	v	-	(*)	-	v	-	-
Download Serial	v	-	v	v	v	-	(*)	-	-	-	-
Remote NET	v	-	v	v	v	-	(*)	-	-	-	-
Remote Modem	v	-	v	v	v	-	(*)	-	-	-	-
Remote Wi-Fi	v	v	v	v	v	-	(*)	-	v	-	-
Connect-i	v	-	v	v	v	-	-	-	-	-	-
Traxxer Download USB	-	-	-	-	-	-	(*)	v	v	-	-
Events Wallet - iButton	-	-	-	-	-	-	v	-	-	-	-
Cartela de Eventos iButton	v	-	v	v	v	v	v	v	v	-	-
Events Wallet - RF Tag	-	v	-	-	-	v	-	-	v	-	-

Legend:

v	Compatible
-	Incompatible
(i)	Compatible, please
(*)	Compatible but not

Device comparison table

	GUARDUS G3	GUARDUS G7	GUARDUS G9	GUARDUS G9 Lithium	GUARDUS G9 PREMIUM	GUARDUS	TRAXXER T1	TRAXXER T3	TRAXXER T7	GOL NFC CELULAR	GOL QR CELULAR
Technology	iButton	RF - ID 125KHz	iButton	iButton	iButton	iButton / RF - ID 125KHz	iButton	iButton	RF - ID 125KHz	RF - ID 13,56MHz	Bi-directional barcodes, QuickResponse by default
Power supply	1 x 9V Battery	1x 1.5V C size battery	1x 1.5V C size battery	1x 3,6V Lithium, C size	1x 1.5V C size battery	2x 1.5V C size battery	1x 1.5V C size battery	1x 1.5V C size battery	1x 1.5V C size battery	-	-
Estimated battery life	3 months	3 months	1 year	2 years	1 year	5 months	3 years	6 months	6 months	-	-
Data download	1 wire – direct contact	Infrared	1 wire – direct contact	1 wire – direct contact	1 wire – direct contact	2 wire – direct contact / Bluetooth	1 wire – direct contact	2 wire – direct contact	Infrared	GPRS ou 3G	Nextel iDen, GPRS, GSM 3G
Head	Stainless Steel	Polycarbonate Machined	Stainless Steel	Stainless Steel	Stainless Steel	-					-
Body	Aviation Duralinium T8	Aviation Duralinium T8	Heat treated stainless steel	Heat treated stainless steel	Heat treated stainless steel	-	Aviation Duralinium T8 + polycarbonate silicone rubber cover	Aviation Duralinium T8 + polycarbonate silicone rubber cover	Aviation Duralinium T8 + polycarbonate silicone rubber cover	-	-
Impact sensor	-	-	v	v	v	-	-	v	v	-	-

Find the right solution for your company:

Start

Is there a network or internet connection available in the area where the officer works? — **Yes** →

Is there a computer available to the officer?
- **Yes** → Download iRF or Download USB with Remote Book Software
- **No** → Remote Net

No ↓

Does the officer/supervisor use a Nextel cellular device? — **Yes** → Guardus GBT

No ↓

Does the officer/supervisor use a GSM mobile phone? — **Yes** → Do you have acess to mobile phones with NFC?
- **Yes** → GOL-NFC
- **No** → Guardus GBT

No ↓

Do you need real-time monitoring? Do you need to immediately know the officer is OK? Do you need to immediately know when events and incidents occur to take immediate action? — **Yes** →

Do you already have Guardus or Traxxer devices available?
- **No** → GTS-9
- **Yes** → Collector GPRS

No ↓

Tour information and activies of your security personnel need to be sent to your head office that is far from the location of the officer — **Yes** →

Does your company have supervisors that regularly visit officers and sites?
- **Yes** → Collector
- **No** → Colector GPRS

No ↓

iRF USB download cable

Product List:

Item	Code	Contains
Guardus G3 Classic	501.10117	1 x 500.00017 – Guardus G3 Classic
Guardus G3-V9	501.00026	1 x 500.00026 – Guardus G3-V9
Guardus G3-V9-L	501.00027	1 x 500.00027 – Guardus G3-V9-L
Guardus G7	501.10127	1 x 500.00021 – Guardus G7
Guardus GBT	501.10029	1 x 500.00029 – Guardus GBT
Traxxer T1	500.00111	Includes 1 x 117.0003 – Lithium battery, 3.6V ½ AA pre-installed
Traxxer T3	501.00113	1 x 500.00113 – Traxxer T3
Traxxer T3-L	500.00431	Includes 1 x 117.00050 –3.6V Lithium C size battery pre-installed
Traxxer T7	501.00117	1 x 500.00117 – Traxxer T7
GTS-9 RF-ID	502.00009	Includes 1 x 400.00009 – Cable GTS-9/USB, battery pre-installed
GTS-9 iButton	502.00010	Includes 1 x 400.00009 – Cable GTS-9/USB, battery pre-installed
Serial Download Cable	500.00030	
USB download cable without iRF	501.00032	1 x 109.20000+ - Cable iButton/RJ11 1 x 300.00060 - Contronics CD 1 x 300.00106P - Installation guide 1 x 400.00075+ - A-MiniB USB cable 1 x 500.00032 - USB communication cable without iRF
USB download cable with infrared	501.00033	1 x 300.00060 - Contronics CD 1 x 300.00106P - Installation guide 1 x 400.00075+ - A-MiniB USB cable 1 x 500.00033 - USB communication cable with IR
USB download cable with IR and iButton support	501.00034	1 x 109.20000+ - Cable iButton/RJ11 1 x 300.00060 - Contronics CD 1 x 300.00106P - Installation guide 1 x 400.00075+ - USB A-MiniB cable 1 x 500.00033 - USB communication cable with IR
Download iRF	501.00101	1 x 300.00060 - Contronics CD 1 x 300.00108P - Installation guide 1 x 400.00070 - A-B USB cable 1 x 500.00101 - Download iRF
Collector	501.00500	1 x 300.00060 - Contronics CD 1 x 300.00107P - Installation guide 1 x - User manual 1 x 400.00075+ - A-MiniB USB cable 1 x 500.00500 - Collector
Collector GPRS	501.00510	1 x 500.00510 - Collector GPRS 1 x 300.00060 - CD Contronics 1 x 413.00019 - Fonte 6V, 1A chaveada, 110V/220V 1 x - Guia Rápido Collector GPRS 1 x - Manual Usuário Collector GPRS
Connect-i	501.10040	1 x 500.00040 - Collector-I 4 x 200.00080 - M3 Screws 4 x 200.00100 - Nylon S-5 screw inserts 1 x 300.00060 - Contronics CD 1 x - User manual
Remote Modem	501.10060	1 x 500.00060 - Remote Modem 1 x 300.00060 - CD Controics 1 x 400.00050 - RJ11/RJ11 cable 1 x 413.00030 - 7.5V 500mA 110/220V power adapter

Remote Wi-Fi	501.10075	1 x 500.00070 - Remote Wi-Fi 1 x 400.00075+ - A-MiniB USB cable 1 x 413.00020 - 7V 1.5A 110/220V power supply
Remote Net	501.10090	1 x 500.00090 - Remote Net 1 x 400.00060 - RJ45/RJ45 Cat5 cable 1 x 413.00039 - 9V 500mA 110/220B power supply 1 x 300.00060 - Contronics CD 1 x - User manual
Traxxer Download USB	501.00131	1 x 500.00130 - Traxxer Download USB 1 x 400.00075+ - A-MiniB USB cable
Traxxer USB cable	500.00130	1 x 109.09490 - USB-RJ11 1Wire converter 1 x 109.20000+ - iButton/RJ11 Cable

Accessories	Code	Contains
Events wallet with numeric iButtons	500.00015	
Events wallet with numeric RF-Tags	500.00016	
Master iButton	500.01990	
iButton 3mm with adhesive	500.19903	1 x 109.19903 - iButton 3mm 1 x 109.3000 - adhesive
iButton 5mm with metal mounting plate	500.19905	1 x 109.19905 - iButton 5mm 1 x 205.00012 - Metal mounting plate
Tag-RF 125KHz World Tag	110.01103	
Tag-RF 125KHz Epoxy with adhesive	110.01107	
Tag-RF 125KHz Clear Disk	110.01116	
Metal mounting plate for iButton	205.00012	
Adhesive for iButton	109.30000+	
Nylon holster for G3/G7	207.00013	
Nylon holster for G5	207.00014	
Nylon holster for Collector	207.00015	
Nylon holster for Traxxer T1	207.00111	
Nylon holster Traxxer T3/T7	207.00112	

Kits	Code	Contains
G3 Serial kit	501.10017	1 x 500.00017 - Guardus G3 Classic 1 x 500.00030 - Serial download cable 1 x 500.01990 - Master button 2 x 500.19903 - iButton 3mm with adhesive 6 x 500.19905 - iButton 5mm with mounting plate 1 x 207.00013 - Nylon holster for Guardus G3/G7 1 x 300.00105P - Quick start guide: PROGuard installation 1 x 300.00106P - Quick start guide: download cable 12 x 200.00080 - Screws M3.5 12 x 200.00100 - Nylon S-5 screw inserts 1 x 300.00060 - Contronics CD
G7 Kit	501.10070	1 x 500.00021+ - Guardus G7 1 x 500.00033 - USB download cable with infrared 1 x 400.00075+ - A-MiniB USB cable 6 x 110.01103 - RF-Tag 125KHz Word Tag 4 x 110.01116 - RF-Tag 125KHz Clear Disk 1 x 207.00013 - Nylon holster for Guardus G3/G7 6 x 200.00080 - Screws M3.5 6 x 200.00100 - Nylon S-5 screw inserts 1 x 300.00105P - Quick start guide: PROGuard installation 1 x 300.00106P - Quick start guide: download cable 1 x 300.00060 - Contronics CD
G3 USB kit	501.10222	1 x 500.00017 - Guardus G3 Classic 1 x 500.00032 - USB download cable without infrared 1 x 109.20000+ - iButton/RJ11 cable 1 x 400.00075+ - A-MiniB USB cable 1 x 500.01990 - Mater button 2 x 500.19903 - iButton 3mm with adhesive 6 x 500.19905 - iButton 5mm with mounting plate 1 x 207.00013 - Nylon holster for Guardus G3/G7 1 x 300.00105P - Quick start guide: PROGuard installation 1 x 300.00106P - Quick start guide: download cable 12 x 200.00080 - Screws M3.5 12 x 200.00100 - Nylon S-5 screw inserts 1 x 300.00060 - Contronics CD
G3 USB kit– Special order 1	501.10225	1 x 500.00017 - Guardus G3 Classic 1 x 500.00032 - USB download cable with infrared 1 x 109.20000+ - iButton/RJ11 cable 1 x 400.00075+ - A-MiniB USB cable 8 x 500.19905 - iButton 5mm with mounting plate 1 x 207.00013 - Nylon holster for Guardus G3/G7 1 x 300.00105P - Quick start guide: PROGuard installation 1 x 300.00106P - Quick start guide: download cable 16 x 200.00080 - Screws M3.5 16 x 200.00100 - Nylon S-5 screw inserts 1 x 300.00060 - Contronics CD
G3 USB kit – Special order 2	501.10226	1 x 500.00017 - Guardus G3 Classic 1 x 500.00030 - Serial download cable 8 x 500.19905 - iButton 5mm with mounting plate 1 x 207.00013 - Nylon holster for Guardus G3/G7 1 x 300.00105P - Quick start guide: PROGuard installation 16 x 200.00080 - Screws M3.5 16 x 200.00100 - Nylon S-5 screw inserts 1 x 300.00060 - Contronics CD
T1 kit	501.10229	1 x 500.00111 - Traxxer T1 1 x 109.09490 - USB-RJ11 1Wire converter 1 x 109.20000+ - iButton/RJ11 Cable 2 x 500.19903 - iButton 3mm with adhesive 6 x 500.19905 - iButton 5mm with mounting plate 1 x 207.00111 - Nylon holster T1 1 x 300.00111P - Quick start guide: Guard On-Line desktop light 1 x 300.00099P - Quick start guide: download cable (Traxxer USB) 1 x 300.00061 - Guard On-Line desktop light installation CD

Contronics Commitment to Simplicity and Technology

We at Contronics are fully aware that you have more interesting matters to deal with in your daily activities than spend time learning the product guide for the equipment and software that you use. If you purchase a system like tour verification equipment it is to make your life easier, not to complicate it more. There would be something wrong if you needed training or a course to be able to use the tour verification software. There is no doubt that in this case it would be wrong simply because the supplier provided something that is complicated and hard to understand.

Contronics believes that a well-developed product, should be ready to be used - without the need of memorizing a complex guide - but with basic orientation instead. Of course the guide is important but reading it cannot be a condition in order to be able to use the product.

All of us at Contronics, are on a constant search for what is simple and easy. We want all of our Contronics branded products to be **natural and obvious** as to how to use them.

Most of our tour verification devices don't come with any buttons, screens or keyboards, not even an on and off button - it couldn't be any simpler! However, to create devices that are this simple it takes a lot of effort – not to mention trial and error with many of our creations never leaving the R&D lab. Making something simple it is not an easy task!

Leonardo Da Vinci once wrote that "**Simplicity is the ultimate sophistication**". We know very well what Da Vinci meant because we learned that in order to achieve something simple you have to get to the bottom of the problem, you have to dig deep, you have to understand what your clients need. Sir. Jony Ive's statements show that Apple Computers, of which he is the Design Vice-President, stands by the same commitment as we do to achieve sophistication through simplicity.

We at Contronics, want you to master the software we create. We do not accept any other situation, it is very common that users master our software quickly and easily. For this to happen, the software needs to be **natural and intuitive**.

Therefore, Contronics makes a huge and on-going effort to make sure our products are **easy and simple** to use, and at the same time, we make it **more complete with features and functionality**. After all, technology is our passion. Our motivation comes from being bold when creating the most advanced tour verification products of our time. This is why we never stop researching and launching new products with dizzying speed. It is also why we created the Guard On-Line software as a service that exists within the "cloud" because, among many other advantages with this approach, we can quickly develop and keep you with the most up-to-date version, becoming increasingly advanced and all without you needing to update or re-install anything on your computer.

Contronics: Technology made simple.
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