

Wireless Remote Monitoring and Control

Description

MCR produces monitoring and control solutions designed to increase management control and reduce risk. The Guard Series products can be used to protect and monitor public facilities, small commercial businesses, public transportation, cargo containers, semi trailers, trucks/vans/RVs, boats, cottages and other assets in storage or while in transit. Our solutions can be wireless and can cover just about any aspect of operation from security to access control to video monitoring and retrieval. If a customer has access to a cellular phone or the Internet they will be able to access real time information and, most importantly, take action to alert the proper people and even control key pieces of equipment.

The Guard Series technology can dramatically reduce the costs of loss due to theft, vandalism, equipment failure and unauthorized inventory access. The technology also enhances safety monitoring and response plus reduces manpower for routine tasks that benefit from automation. All the above can result both in real cost savings and reduced insurance premiums.

The MCR systems can be configured remotely and can handle a number of completely separate functions through one central control unit. Data can be stored for later retrieval or instantly sent for immediate response.

Installation is straight forward and an extensive number of analog and digital devices can be monitored and controlled through a single central unit.

MCR has spent over four years developing technology that is versatile, sophisticated but simple to use, durable and very cost effective.

Customized to suit your needs, MCR's **AicAAA™** (Access to information and control **A**n anytime, **A**n anywhere from **A**n platform) proprietary technology can offer services such as multiple-subscriber message delivery, flexible logical to physical object mapping, message logging, real-time control and event-driven action generation. The Guard Series provides event-driven E-mail, SMS and MMS (picture) messaging to wireless mobile devices (phones/PDAs) as well as real time control.

A complete OEM peripheral component list is available on request.

Controller

- Rabbit 3000 processor
- Real Time uC/OSII
- Real Time Clock, Watchdog
- Solid State Flash memory for remote software update and non-volatile data storage (up to 512 Kbytes)
- BIOS: Rabbit 256 KB Flash
- Operating SRAM memory (up to 512 Kbytes)
- 16 Digital inputs (opto-isolated)
- 10 Analog inputs, 8 Relay outputs

Ethernet Interface

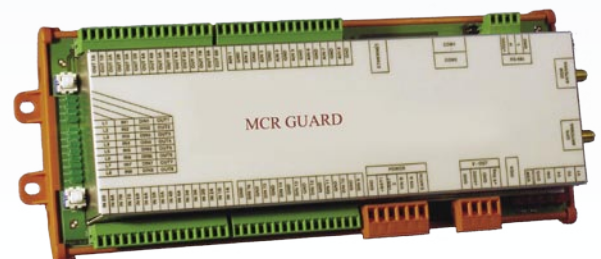
- 10/100BASET, RJ45 network connector
- TCP/IP support

Serial Interface

- 6 fully independent Serial Ports (one DB9 connector)
- Serial speeds up to 115.2 kbps
- One RS-232 port, one RS-232/RS-485

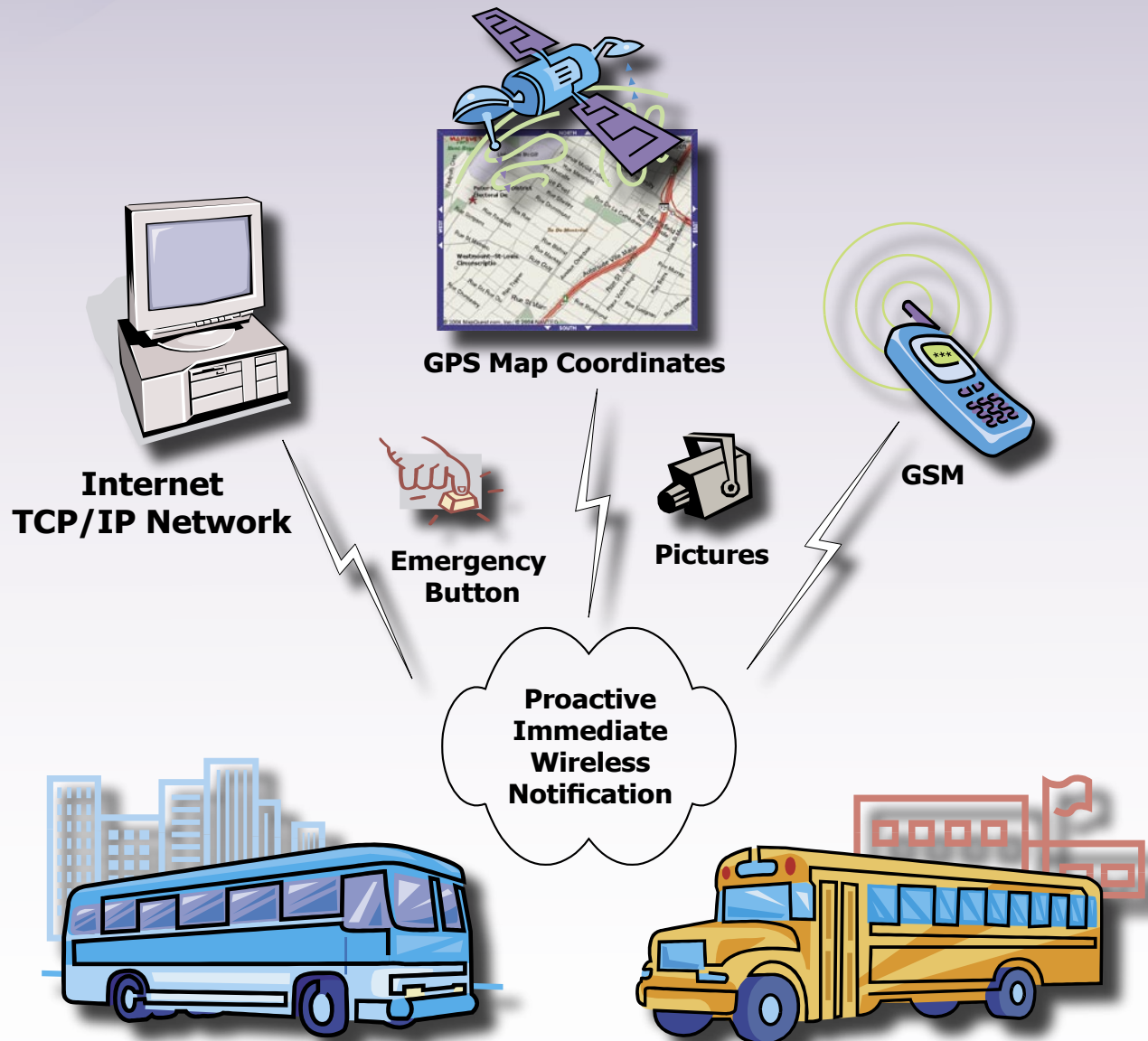
Wireless Interface

- GSM modem support
- GPS Global Positioning System support



Public Transit

Wireless Remote Monitoring and Control



3 Models Available:

MCS (Monitoring and Control System) is our entry level system with 10 analog inputs, 8 digital inputs and 4 digital relay outputs.

MCSG (Monitoring and Control System with GPS) has an added built-in GPS for tracking and storing several weeks of position co-ordinates.

MCSGC (Monitoring and Control System with GPS and Camera) has an added built-in camera/picture capability for sending pictures to your cell phone and/or E-mail address. It also has increased number of I/Os. 10 analog inputs, 16 digital inputs and 8 digital relay outputs.

Incidents of crime & violence are occurring in our public transport systems every day. There is a need for a new proactive solution that will: deter crime, enable faster evaluation and response to emergencies, enable 2-way communication between driver and designated authorities (i.e. 911) and automatically capture & store photographic evidence. Guard Series solution with detailed and instant information enables: rapid assessment of situations seriousness and magnitude, rapid deployment of the proper authorities to precise location, live 2-way communication confirming details of situation, photographic evidence leading to criminal arrest and decrease on-board crime by promoting and publicizing solution. The benefits are ongoing: public travels with comfort and confidence, lower driver stress from fear, increase drivers accountability for incident reports, public transport use increases, revenue increases and city's image is maintained as proactive & positive.