

# 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

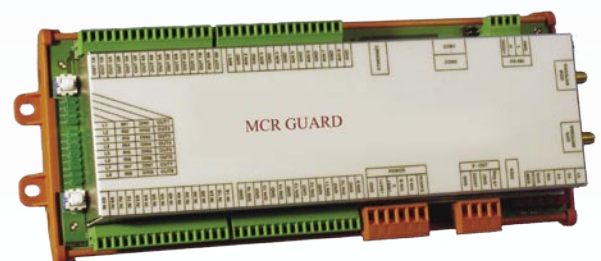
- 10/100BASET, RJ45 network connector
- TCP/IP support

## 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

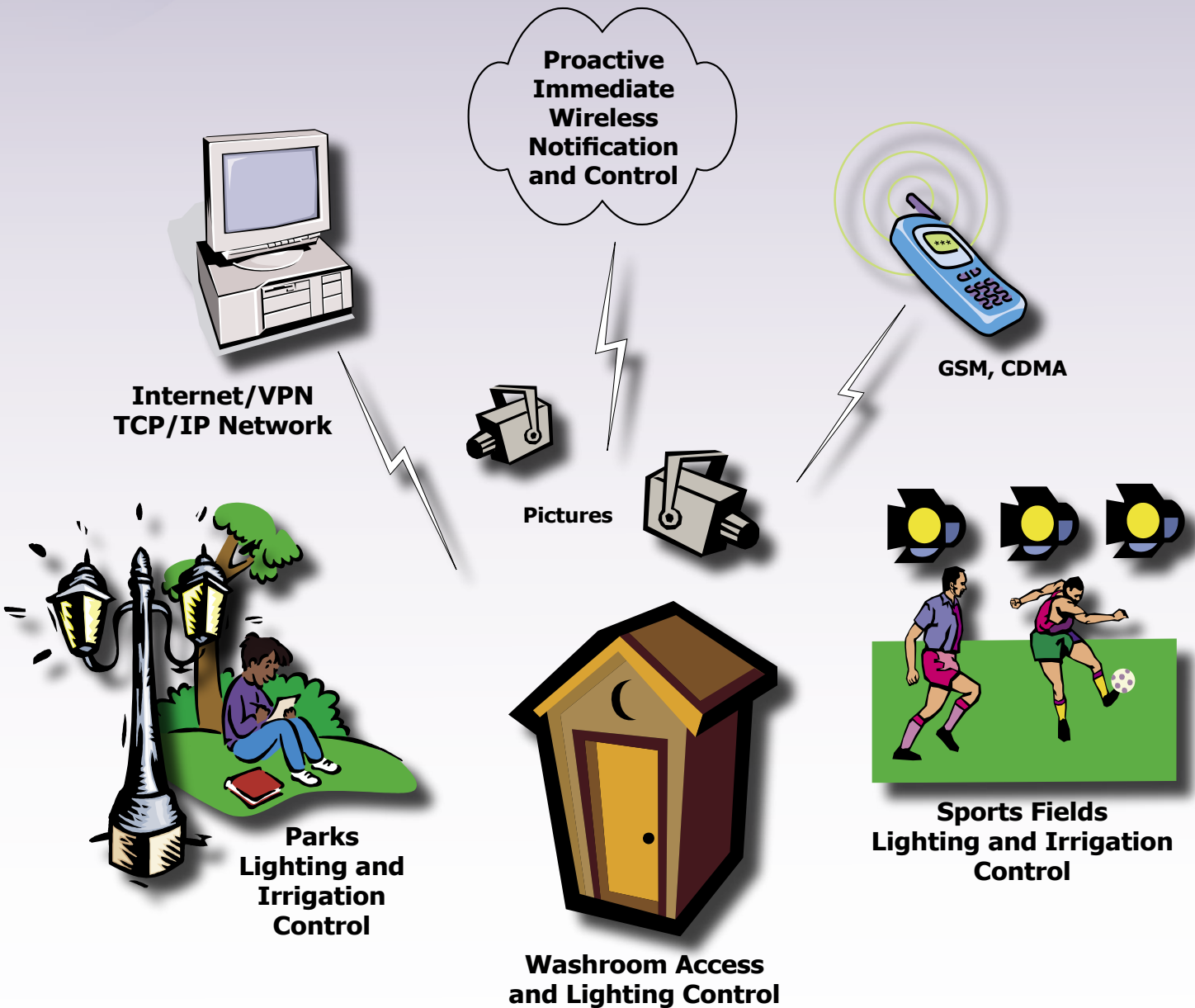
## Wireless Interface

- GSM modem support
- GPS Global Positioning System support



## Public Facilities, Parks, Rest Areas

Wireless Remote Monitoring and Control



### 2 Models Available:

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

MCSC (Monitoring and Control System with 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.

- Save money and man-hours by automatically controlling every washroom access via the internet and/or cellular phone with easy to set-up schedules.
  - Save money by turning on the lights only when someone is in the washroom.
  - Get immediate notification of vandalism, fire or power failure.
- Save money by controlling the sports field lighting via the internet and/or cellular phone with easy to set-up schedules.
  - Save money by not watering the lawns when it is raining or otherwise not necessary.