MTI Dragonfly Activity Reporting (AR)
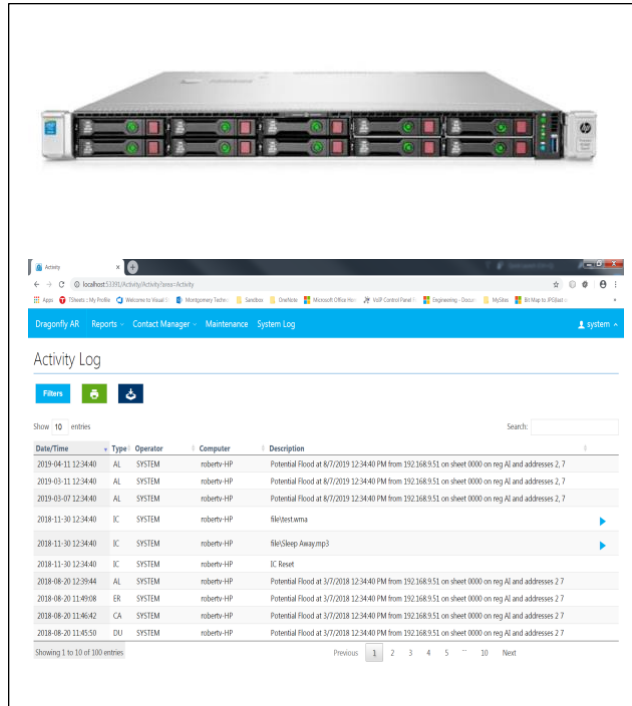

ENTERPRISE DESIGN

Dragonfly AR is designed for wide distribution. Because the entire MTI system, including Dragonfly AR, utilizes an IP network, Activity Reporting can be accessed from any location, as long as the network permits it. This allows an administrator to access activity reports from the facility, or even from around the world, depending on his network configuration.

RESPONSIVE

The user interface for Dragonfly AR is a browser-based web application designed using the latest web technologies. This means that the application is responsive to the user's device, automatically adjusting to the user's screen size for optimal experience.

AUDITABLE

Dragonfly AR logs all activity from the MTI Detention Control System, providing an audit trail for all operator actions and field inputs. Even intercom communications can be logged.

Major Features

- Microsoft™ SQL Server© based database.
- RAID5 or 6 redundancy.
- Web Browser Based Administrative Access.
- Responsive Web Application.
- Compatible with all major browsers.
- Accessible from mobile devices.
- All operator and system activity is logged to a single database.
- Cycle counts and other maintenance reports.
- Customizable automated reporting.
- Email and text capable
- Permission based user access.

MTI's Detention Control System (the Dragonfly system) includes many features that are beneficial to the facility adminstrator. One of the most beneficial features is the Activity Reporting server that is provided with the system. This server consists of a Microsoft™ SQL Server© database that is used to store information about all actions (both operator and field input) that occur on the system.

The server also hosts a web application called "Dragonfly AR". This web application can be accessed from any major web browser (Chrome, Firefox, Edge, and Safari) from any device, as long as the device has access to the server through the network.

For detention systems made up of more than eight (8) control stations, or where the owner requires it, a separate, rack mounted HP™ server is provided to host the acivity reporting component. This server is designed to provide redundant storage through the use of RAID5 or RAID6 storage arrays, depending on the customer requirements.

The server will also come with the appropriate Microsoft™ SQL Server© license to meet the log transaction demands of the system.

The Dragonfly AR web application licensing is also included with the server and allows for an unrestricted number of users and access.

Including Dragonfly AR In Your Design

Dragonfly AR is part of the MTI Detention Control System. Designing around this product means designing to include or allow for the use of the MTI hardware and software. To allow for this requires very little in specification or drawings beyond what is typically done to design a detention control system. Here are a few items to consider:

- Include the MTI Embedded Controller (part number 91795) as an approved Programmable Logic Controller.
- Include MTI ProVision as an approved Human-Machine-Interface Software Application.
- Allow for the use of a "Spreadsheet" programming method, in addition to "Ladder Logic" programming.
- Allow for the use of manufactured termination boards for locking control.
- Include HP™ as an approved computer/server manufacturer.
- Allow for the use of a browser-based alarm/activity reporting application.
- If off-site/remote access to the activity reporting application is required, be sure to design for Internet access to the system, including the use of a firewall router to provide a secure connection to the network.

System Requirements

- Server Requirements
    - o Latest version of Microsoft™ Windows Server©
    - o Latest version of Microsoft™ SQL Server©
    - o Latest version of Microsoft™ Internet Information Services (IIS)
    - o Microsoft.Net 4.5 or later
    - o Minimum of 2 Ghz, Quad-core Processor
    - o Minimum of 16 GB SDRAM
    - o Minimum of RAID1 storage array. Preferred RAID5 or 6.
    - o For remote access, firewall router must forward HTTP(S) ports to the server IP address.
    - o For secured (TLS) connection, the customer must provide a domain URL and server certificate.
    - o Uninterruptable Power Supply of adequate wattage.
    - o Minimum 100BaseT network connection.
- Client Requirements
    - o HTML5 Compatible Web Browser (Dragonfly AR is designed and tested for Chrome, Edge, Firefox, and Safari)

MTI Products

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