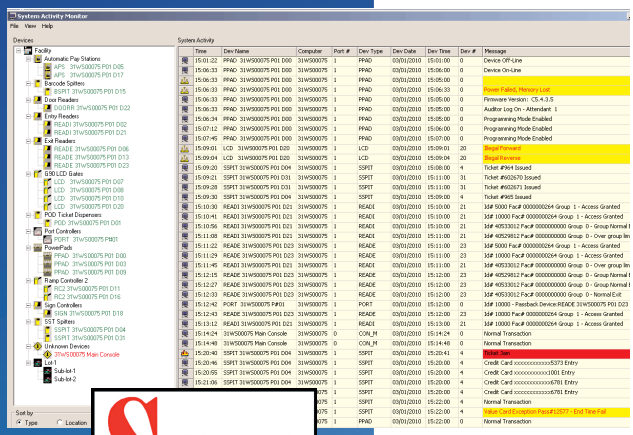
FACILITY MANAGEMENT SOFTWARE

ScanNet™

Central Management System



ScanNet™ is Federal APD's integrated central management system to control and monitor parking and ground transportation facilities.

ScanNet™ offers central management solutions for installations of all sizes, from modest surface lots to city-wide operations. Parking, access, and revenue controls are bundled together as one seamless enterprise program. Standard or custom reports provide comprehensive financial tracking and activity audits.

Integrated System

The new technology designed into ScanNet's™ architecture challenges traditional thinking for central management systems. Parking, access, and revenue controls are no longer separated in different modules – but are bundled together as one seamless enterprise system. Information generated from all the devices in the system, from barrier gates to fee computers, is accessible throughout ScanNet™.

Parking & Count Control

ScanNet™ makes it easy to set-up and monitor all access and revenue control equipment. The Event Control System defines the variables for each lane controller in the system and controls the device's tasks – such as monitoring transient and monthly parkers, raising a gate arm, automatically triggering a full sign, or activating a variable message sign while storing all the information in the database for real-time and statistical reporting. Automated count control, integrated with automated revenue control, eliminates the need to manually read counters in lane equipment, and this new gate gives you the freedom to enables the owner/operator to more precisely control the facility.

Access Control

The Access Control System (ACS) enables you to set up Credentials that will allow patrons and vehicles to enter and exit a facility. A Credential is an instrument, such as an access card or an AVI tag, that uniquely identifies the patron. When a Credential is set up, the system automatically places the ID information in all associated Passport Plus, ValuePass, and ValueCard Readers (or other third party devices). The Access Control System allows you to associate the Credential with a patron and/or a vehicle - allowing you to assign each to an account for billing and tracking purposes.

Revenue Control

ScanNet™ provides simple-to-use tools to manage your revenues from a central location. Pull-down menus show remote programming and monitoring of transactions from your revenue control devices. Fee tables, rate structures – and other features can be designed and implemented for your application. ScanNet™ provides a complete accounting of all activities in your parking network. The system provides many detailed transaction reports that may be integrated with third-party accounting systems. Using Crystal Reports Writer, you can change, modify, and customize standard reports. Information can be exported to a number of different programs, including office, accounting and reporting packages.

Features

- A complete turnkey solution
- Open architecture for system integration

FEDERAL APD

A Federal Signal Company

Freedom for Control

ScanNet™ Central Management System

Specifications

Entry-Level (up to 90 devices)

Operating System
Microsoft® Windows® XP Professional
Microsoft® Windows® Vista Ultimate
Windows 7, 32-bit OS in XP Mode

Processor
Office Class Computer
XP Pro > Single Core 2.5 + Ghz
Vista Ultimate > Dual Core 2.5 Ghz

Memory
1 GB - DDR 333MHz

Storage
80 GB Ultra ATA Hard Drive

DVD
DVD+R

Ports
Parallel Series RS-232 - COM1 & COM2
USB 2.0

Networking
Ethernet - 10/100 Mbps.
(1-2 ports - contingent on the number of 2 way traffic devices).

Graphics
256MB graphics video interface

Monitor
17" .28 dot pitch or less

Mid-Range (up to 150 devices)

Operating System
Microsoft® Windows® XP Professional
Microsoft® Windows® Vista Ultimate
Windows 7, 32-bit OS in XP Mode

Processor
Workstation Class Computer
XP Pro > Single Core 2.5 + Ghz
Vista Ultimate > Dual Core 2.5 Ghz

Memory
2 GB of NEW Dual channel DDR2-533 MHz SDRAM

Storage
200 + GB Raid 5 (or Dual 160GB Serial ATA w/Raid 0)

DVD
DVD+R

Ports
Parallel Series RS-232 - COM1 & COM2
USB 2.0

Networking
Ethernet - 100 Mbps.
(2-4 ports - contingent on the number of 2 way traffic devices).

Graphics
256MB graphics video interface

Monitor
17" .28 dot pitch or less

High-End (up to 150 devices)

Operating System
Microsoft® Windows® 2003 Server
Windows 7, 32-bit OS in XP Mode

Processor
Server Class Computer
2003 Server > Quad Core 2.5 + Ghz

Memory
4 GB of NEW Dual channel DDR2-533 MHz SDRAM

Storage
200 + GB Raid 5 or Fiber Channel Array

DVD
DVD+R

Ports
Parallel Series RS-232 - COM1 & COM2
USB 2.0

Networking
Ethernet - 100/1000 Mbps.
(2-4 ports - contingent on the number of 2 way traffic devices).

Graphics
512MB graphics video interface

Monitor
19" .28 dot pitch or less

Notes

1. Always use a communication isolator module to prevent damage due to ground loops and/or lightning and keep the communication line's common "floating."
2. Recommendations when using Host-Based Access, Central Credit Card, Multiple Consoles and LPR/LPI Systems: When one or more of the above applications are running in the system, the load at the server increases significantly. For an optimal performance under these circumstances, the following configuration and criteria should be applied:
   -Do not connect readers and fee computers devices in the same NetPort/Communication line. (Auditor PowerPad, Automatic Pay Station, Pay-In-Lane, Automatic Cashier Terminal and ML-3500 are considered fee computer devices).
   -Maximum number of devices per NetPort:
   a) Maximum of 16 readers per NetPort - if readers are sharing the same communication line with other devices.
   b) Maximum of 24 readers per NetPort - if readers are the only device type on the communication line.
   c) Maximum of 24 fee computers per NetPort - if fee computers are the only device type on the communication line. (Auditor PowerPad, Automatic Pay Station, Pay-In-Lane, Automatic Cashier Terminal and ML-3500 are considered fee computer devices).
   - Computer configuration with one or more of the above applications (as described in number 2 Recommendations):
   a) Entry-Level computer should be used with less than 75 devices.
   b) Mid-Range computer should be used with less than 130 devices.
   - System with one or more of the above applications and more than 30,000 credentials:
   a) Mid-Range computer is the minimum requirement and should be used with less than 100 devices.

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For more information
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