Electronic Access Control

Clarity V2.0

Access Control and Badging Software

CLARITY V2.0 is an intuitive access control and badging software interface with ease-of-use features and functionality such as:

- Access Control
- Alarm Monitoring
- Event Monitoring
- Photo ID Badging (special order)
- Hardware Control
- Vehicle Management
- Asset, Vehicle and Personnel identification and tracking with RFID

Clarity's simplified user interface allows for easy navigation and easily expands to larger installations through click and drag capability.

Main Features

Clarity was engineered by a team of access control professionals with over 25 years of experience in the industry. Their expertise provides users an immediate tool of simplicity with the InstallShield Wizard, which allows users to establish a full system setup in a matter of minutes.

The Alarm View window with AutoCard Lookup monitors the access control system by sorting transactions into one of three categories: Unacknowledged, Acknowledged and Cleared.

Transaction color coding allows users to recognize the type and status of a transaction at a glance.

Through the Card Holder, Access Level and Schedule windows credentials are easily accessed and altered. Programming tree architecture provides efficient lookup to door access, and 20 default schedules allow system administrators fast and easy programming for new credentials.

- 28,000 card/code capacity per Insignia controller
- 63 definable Time Zone Schedules
- 32 Holiday Group capacity per controller
- System architecture capable of 5,000-10,000 readers or more
- Drag and drop system expansion capability
- Windows XP Professional or Home
- 76,000 Monitoring Point capacity
- 12 Pre-defined and 12 definable note fields
- Database backup and restore
- Server and Workstation networking capability
- Photo ID Badging (special order)
- 14 Reporting options
- Unlimited transaction storage capacity (based on hard-drive space)
- Capable of controlling up to 254 hard-wired RS-485 drop lines with max 15 controllers per line
- Capable of controlling unlimited IP addressable controllers or IP addressable RS-485 drop-lines
- Elevator control: 8 floors per controller possible
- Hardware control: initialization, output, energizing/de-energizing, alarm input control, door control

VUANCE
Validate Your World

Standard Features

Access Control

- Card/Code capacity of 28,000 per Insignia controller
- 63 Definable Time Zone Schedules available for card/codes, door, input, output or group hardware
- Holiday Group capable of 32 holidays per controller
- Unlimited transaction storage capability depending on hard-drive space
- Capable of controlling 254 hardwired RS-485 drop-lines (3800 Insignia controllers)
- Unlimited amount of IP Addressable controllers
- 15,200 hardwired readers or more possible
- Elevator control: 8 floors controlled per controller (more floors using software control)

Alarm and Card Monitoring

- 76,000 monitoring points possible
- Supervised or non-supervised
- Inputs: normally open, normally closed
- Alarm, Normal, Trouble
- Alarm Monitor, Event Monitoring/Viewing
- Cards: Trace, Valid, Invalid, Site code violation, PIN violation, Anti-passback violation, Manager card, Time Zone violation technologies supported
- Proximity (Standard and Other)
- Wiegand
- Keypad/Reader combinations using four doors
- Magnetic Stripe (Wiegand only)
- Barcode
- Biometric devices (hand, eye, finger - hardware integrated Wiegand signal)
- Keypads

Operations

- Signature and Photo image associations to Card Holders
- Note fields: 12 pre-defined and 12 definable
- Password protected user interface, definable privileges available for user interface functions
- Reporting: 14 available reports encompassing Card History, History, Database Programming,Operator Permissions, and Time Zone Schedules

Hardware Basics

Others

- MSDE 2000/SQL 2000 compliant (MSDE default install)
- Database backup and restore
- Photo ID Badging
- Server and Workstation networking capability
- Hardware control: initialization, output energizing/de-energizing, alarm input control, door control

Minimum Requirements

Stand alone and small system setups are considered to be 20 readers and 300 cards. The configuration below is suggested as the “minimum” required for software functionality

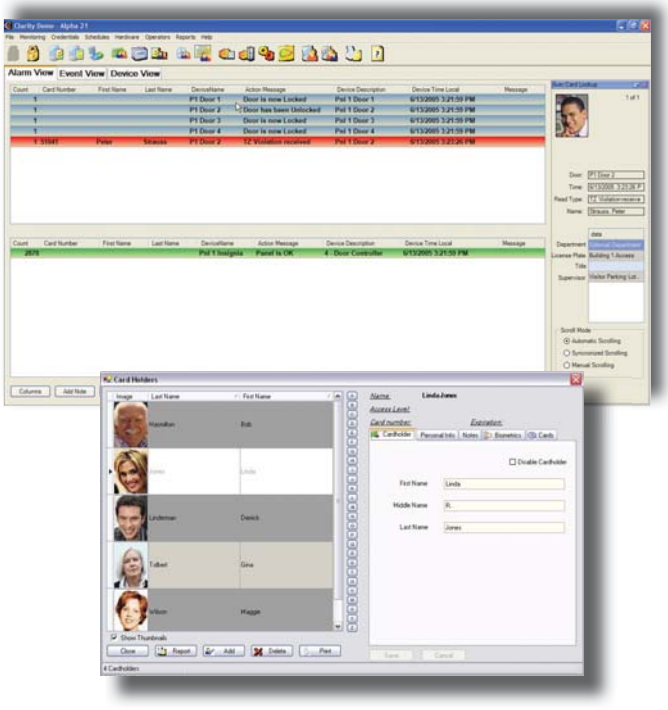
- Pentium III 1 Ghz CPU
- 750 MB of RAM
- 4 GIG hard-drive space
- One or two communication ports
- 17” SVGA monitor, 1024x768 resolution
- USB Ports: one if badging
- Windows XP Professional or Home
- 16 or 32x CD ROM

Recommended Configurations

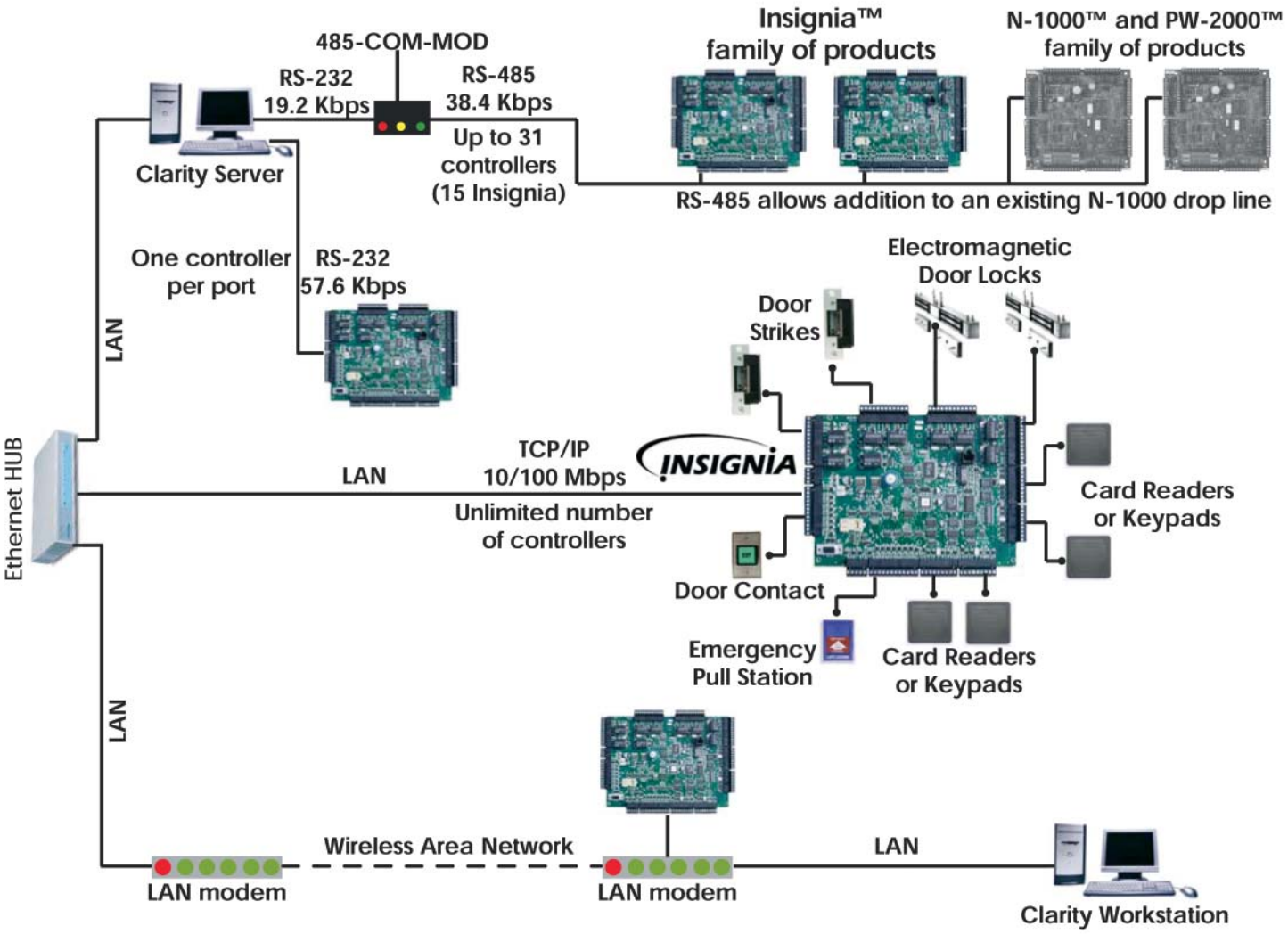
Systems larger than 20 readers with larger card databases should adhere to the suggested configuration below or better

- Pentium IV 2 Ghz CPU
- 1 GIG of RAM
- 2 GIG+ hard-drive space
- Network HUB for TCP comm and/or multiple serial ports
- 17” SVGA monitor, 1024x768 resolution
- Windows XP Professional or Windows 2003 Server

NOTE: Call VUANCE technical support for Client Workstation information



Clarity Software and Insignia Panel Wiring



System Requirement Flow Chart

System Type		CPU	RAM	Disk Space	Display	Networking
Server	Minimum	1 Ghz	1 GB	750 MB	1024x768	10 MB
	Recommended	2 Ghz	1 GB	2+ GB	1024x768	100 MB
Client	Minimum	1 Ghz	256 MB	100 MB	1024x768	10 MB
	Recommended	2 Ghz	512 MB	100 MB	1280x1024	100 MB
Stand Alone	Minimum	1 Ghz	512 MB	750 MB	1024x768	10 MB
	Recommended	2 Ghz	1 GB	2+ GB	1280x1024	100 MB

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PC Requirements

Operating System
(OS not included)
Windows XP Professional®
Windows 2003 Server
Windows XP Home®

Processor
Pentium III 1 Ghz CPU

Memory
750 MB minimum

Video Board
Capable of displaying 24 bit true color at a minimum of 1024x768

Monitor
17" SVGA

Hard Drive
4 GB minimum

CD-Rom
16 or 32x minimum

Communication
1 or 2 ports minimum

USB
1 port minimum for badging

Parts and Ordering Information

Clarity V2 Software Packages Supplied with MSDE 200 Database - will support MS SQL 2000	
CLARITY1-D	Clarity demonstration software. FREE copy offered through contacting the sales department.
CLARITY1-R	Clarity full released version of software. Latest version ships on all requests.
CLARITY1-R-DVD	Clarity full released version of software in DVD format. Latest version ships on all requests.
CLARITY1-R-BDG	Clarity with badging, full released version of software. Latest version ships on all requests.
Expansion Packages	
CLARITY1-R-UPG	Upgrades CLARITY1-R to CLARITY1-R-BDG

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