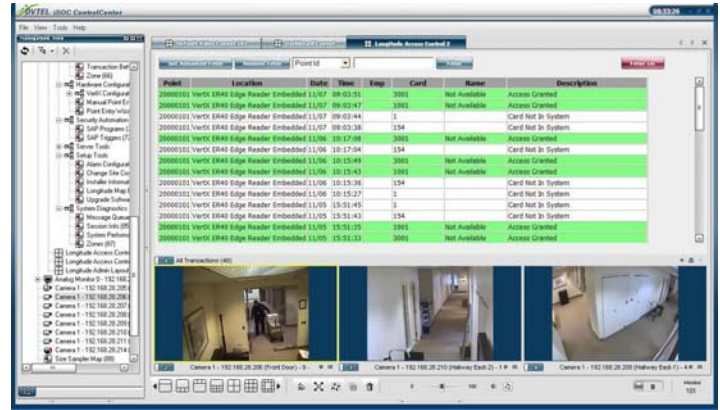


# LONGITUDE IP ACCESS CONTROL (IPAC) SOLUTION 5.2

DVTEL's Longitude IP Access Control (IPAC) is an open, software-based solution with standard features that include access control, alarm monitoring, graphical maps, automation, reporting and a browser-based user interface. It is a multi-vendor hardware platform which works with many industry standard brands of access control hardware.

Longitude IPAC uses the latest technology which allows you to take IP directly to the door as well as utilize legacy equipment to protect your investment. IP Edge devices maximize reliability and survivability, while minimizing costs. The ever decreasing cost and universal adoption of IP technology has made it the solution of choice for all security devices.

Longitude IPAC provides a wide range of features, unequalled reliability, unlimited scalability and the best price and performance in the industry.



## System Overview

Longitude IPAC software provides the ability to manage and control access to all types of portals including, but not limited to doors, turnstiles, vehicle gates, man traps, and more. However, what sets Longitude IPAC apart is its ability to perform the complex logic required to process real world events, make instant decisions, provide notification to appropriate personnel, and perform automatic actions. This is software-based functionality, not proprietary firmware running in a proprietary microprocessor.

### Applications Included:

- Access Control
- Alarm Monitoring
- Graphical Maps
- Reporting

### Optional Applications Supported:

- Photo ID Badge Creation
- Visitor Logging
- Integration to External Systems

### Features Include:

- Windows-based Thick Client
- Browser-based Thin Client
- Card, Pin and/or Biometric Access Control
- Automatic Assignment of Access Privileges based on user Defined Fields
- Multiple Cards and Card Technologies Per Person
- Anti-passback, Two Man Rule and Conditional Access
- Auto Open and Conditional Auto Open
- Building Mode Control (Arm/Disarm Alarms)
- Advanced Automation
- Vehicle Gate Control
- Elevator Control
- Global I/O Linking
- Mantrap
- Multi-Tenant Unit Control

### Optional Features Include:

- Redundancy and Failover
- External System Interface (including ERP)
- High-End Customization for Doors



# LONGITUDE IP ACCESS CONTROL (IPAC) SOLUTION 5.2

## System Functions

### Data Entry

- Access Level Definitions
- Device Entry (Manual and Wizard)
- Personnel Entry
- Multiple Tenant Definitions

### Event Monitoring

- Access Control Events
- Photo Identification Based on Card Holder Events
- Link to Personnel Information
- System Events

### Alarm Monitoring

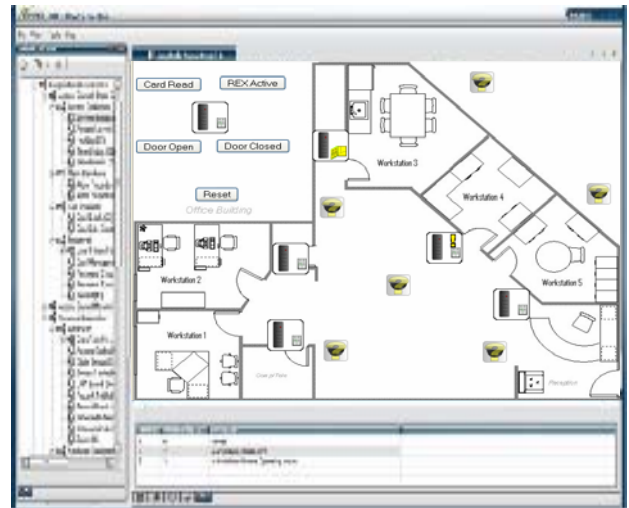
- Prioritize Alarms
- Service Alarms
- Pre-canned Response
- User Entered Response

### Graphical Maps

- Editor
- Supports User Determinable Images
- Drag and Drop Setup
- Interactive Icons—Display Multiple States
- Drill Down of Map Levels
- System Functionality Control
- Real-time Control of Field Access Control Devices

### Reports

- Standard Reports
  - Transaction History
  - Personnel Information
  - Audit Trails
  - Many Others
- Customizable Reports



## System Components

### Hardware Components:

- Servers
  - PC Based—Rack Mount
  - Longitude Network Appliance (LNA)—Wall Mount
- Edge Devices
  - Panels/Controllers
    - HID—VertX and Edge Reader
    - Mercury
  - Readers
    - Weigand Technology
    - iCLASS
    - Proximity
    - Biometric
  - I/O Modules
    - HID (Access Control)
    - Mercury (Access Control)

### Software Components:

- Base Longitude Host Software
- Client Software:
  - Thick Windows-based Software
  - Thin Browser-based (Internet Explorer or Mozilla FireFox)
- Door Reader Licenses
- User Licenses

### Optional Software Components:

- Photo ID Badge Creation
- Human Resource Interface
- XML-based SDK for Open and Secure Access for Integration to External Systems
- Failover Server License

# LONGITUDE IP ACCESS CONTROL (IPAC) SOLUTION 5.2

## System Specifications

### Longitude ACS Software Supports Up To (based on Hardware and Software Configuration):

- 600,000 Cardholders and Photo Images
- 32,000 Card Readers
- 32,000 Output Points
- 50,000 Transactions On-line

Recommended* High performance Server Hardware Requirements	
CPU	Dual Core Intel Pentium D 925, 3.0 GHz, 2x2MB Cashe, 800 MHZ FSB
Memory	1 GB DDR2, 667 MHz, 2x512MB Single Ranked DIMMs
Hard drive	160GB, SATA II, 3.5-inch, 7.2K RPM Hard Drive Hard Drive Controller: Onboard SATA Controller—No RAID Hard Drive Configuration: Onboard SATA, 1 Drive connected to Onboard SATA Controller—No RAID
Network Interface	Single Port Gigabit Ethernet NIC
Video card	Standard
Other hardware	Rack Rail, Bezel, CD/DVD Drive, Riser Card, Keyboard, Mouse
OS	Linux SUSE, Red Hat
Recommended* High performance Client hardware requirements	
CPU	Dual Core Intel Pentium D 925, 3.0 GHz, 2x2MB Cashe, 800 MHZ FSB
Memory	1 GB DDR2, 667 MHz, 2x512MB Single Ranked DIMMs
Hard drive	160GB, SATA II, 3.5-inch, 7.2K RPM Hard Drive Hard Drive Controller: Onboard SATA Controller—No RAID Hard Drive Configuration: Onboard SATA, 1 Drive connected to Onboard SATA Controller—No RAID
Network Interface	Single Port Gigabit Ethernet NIC
Video card	Standard
Other hardware	DVD/RW; Keyboard; Mouse
OS	RedHat ES4 and Suse 10.X
Network Requirements	
100/1000Mb	Copper and/or fiber IGMP Snooping (Multicasting) version 2 or better
Full Layer 2	Multicast Management Data Driven, Multicast Enable

## Supported and Integrated Hardware

### Supported Hardware:

- Mercury
  - Panels
    - EP1502
    - EP2500
  - I/O
    - MR-50
    - MR-52
    - MR-16IN
    - MR-16OUT
- HID
  - V2000
  - V1000
    - V100
    - V200
    - V300
  - Edge Reader and Edge Plus



# LONGITUDE IP ACCESS CONTROL (IPAC) SOLUTION 5.2

## Ordering Information

Longitude	Classic	Elite	Enterprise	Hardware	
Total readers per system	64	256	Unlimited	HID V1000 Controller	DVT-HID-HC
Base Software Part Number	LON50-C-ACS	LON50-EL-ACS	LON50-NT-ACS	HID V2000 Controller	DVT-HID-HC2R
Additional User Connection License	LON50-C-U	LON50-EL-U	LON50-NT-U	HID Dual Reader Interface Board (V100)	DVT-HID-H2R
Additional Door Reader Connection License	LON50-C-DRL	LON-50-EL-DRL	LON50-NT-DRL	HID Input Board	DVT-HID-16IN
Failover Option	LON50-C-FOS	LON50-EL-FOS	LON50-NT-FOS	HID Output Board	DVT-HID-12OUT
Upgrade	To Elite: LON50-C-UPG-EL	To Enterprise: LON50-EL-UPG-NT	N/A	HID Edge Reader	DVT-HID-ER40
Data Exchange Feature License	LON50-DATA-EXC	LON50-DATA-EXC	LON50-DATA-EXC	HID Edge Plus	DVT-HID-E400
AssureID Video Badging Master License	DVT-HID-VBS-MAS	DVT-HID-VBS-MAS	DVT-HID-VBS-MAS	Enhanced Mercury Control	DVT-MR-EP2500
AssureID Video Badging Client/Workstation License	DVT-HID-VBS-LIC	DVT-HID-VBS-LIC	DVT-HID-VBS-LIC	Mercury Controller (w/Reader Interface Board)	DVT-MR-EP1502
				Mercury Dual Reader Interface Board	DVT-MR-52
				Mercury Input Board	DVT-MR-16IN
				Mercury Output Board	DVT-MR-12OUT

## Professional Services

Longitude IPAC is provided with a rich SDK for custom integration services performed by DVTel Professional Services or DVTel trained SDK Developers.

### Integration Tools:

- SDK with Full Featured API
- XML Interfaces

### Typical Integrations:

- Human Resources Interface
- Registrar System Interface
- External Systems and GUIs via XML
- Legacy Hardware via Legacy Device Drivers

