UNIS

Access Control, Template Management & Command and Control Software

Manufactured by **UnionCommunity** (South Korea) the **ViRDI** range of products are high-end Access Control, Intrusion Detection,T&A and Meal Management systems.

UNIS is the proprietary Command and Control software platform to utilise all the features of **ViRDI** devices to its fullest potential

Client - Server Topology

True Client - Server Topology

25 Simultaneous Client Connections

Flexible Database Options

Database can run either internally or from a dedicated Database Server

Database options:

- Native Access
- SQL Express
- SQL
- MySQL
- Oracle

Remote Database Merge

Enterprise or systems over large geographical areas may require more than one Database

UNIS allows for Database files from different Database Servers to be merged into a centralised depository

Large Capacity

Up to 400 **ViRDI** Biometric Terminals or Door Controllers connected to a single Database

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Unlimited Users

UNIS allows for unlimited Users and unlimited Visitors . The size of the Database determines the amount of either Users or Visitors on the system

Visitor Management

UNIS features a full Visitor Management module. From enrolment of fingerprints, hosting information to restricting to certain periods of access. Repeat Visitors can easily be granted access again though the Visitor Lookup function

Authentication for Visitors is done on the UNIS server and needs the system to be on-line to be able to use Visitor Management

Terminal and Device Configuration

Terminal Management allows authorised users to create Terminals with location or descriptions as well as allowing for basic configuration of the Terminals such as Lock Down times, Siren times, Holiday times and Meal Management times. Global Authentication levels can also be set per terminal

Flexible Template Management

Enrolment of the fingerprint templates is made easy with the visual GUI when an enrolment station is installed. UNIS allows for up to 10 fingerprints per user to be enrolled on the system and Registration and Authentication levels can be manipulated per User to cater for individuals with poor fingerprints

UNIS automatically checks for Dual and Similar Fingerprints to combat fraudulent User creation. Templates are stored in both the UNIS Database and a select amount of fingerprint templates can be sent to terminals for fail over operation. Template authentication happens on the UNIS Server and will revert to the Terminals' internal Database should the network go off-line for whatever reason.

Real Time Monitoring

The ViRDI system uses PUSH technology and transactions gets sent to UNIS as they occur. This lessens network traffic and results in real-time monitoring of the system

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Powerful Access Control Functionality

Time Zones

Up to 12 transaction bands (start and end time) can be created for each day and a specific authentication method can be assigned to every transaction band

Access Times

Time Zone Rules (transaction bands) are applied to individual days of the week. Multiple Access Times can be assigned to an individual day

Custom Access Areas

ViRDI Terminals and Controllers are grouped together to form Access Areas. Time Zone Rules are then assigned to terminal groups

Access Groups

Access Times and Custom Access Areas are assigned to a specific group of Users on the system

Access Group Scheduling

Set up schedules to move a specific group of users from their default group to a new group i.e. move dayshift workers to nightshift. The schedule can be set up to automatically repeat after a defined time period

Anti-Passback

ViRDI Terminals are grouped together into “IN” and “OUT” areas and anti-passback is determined by these areas. This is a UNIS server function and will not be operational if the Server or Network is inoperable.

If the MCP-040 door controller is utilised anti-passback rules will reside in the controller memory and will be operational even if the Server or Network is off-line. It is however only applicable to the doors under the direct control of the door controller

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Blacklist User Management

Unwanted or undesirable Users can be Blacklisted. This removes the User's access to the system but keeps the Users' fingerprint templates and details on the Database for future exclusion

Transaction Recording and Reporting

UNIS provides a full customisable Transaction Recording and Reporting function with full audit trail. Flexible data selection makes reporting configurable by User, by Terminal, by Date, by Authentication method etc..

Reports can be printed or exported to .csv file format for further manipulation in Microsoft Excel.

Message Broadcast Facility

Personal and Global messages can be sent to ViRDI Terminals that have massaging capabilities. Global messages will appear for every user transacting on the Terminal . Personal messages will be custom messages for individuals and will display only when the specific Users transacts

Emergency Alarm Actions

ViRDI Terminals are able to receive a digital I/O signal from various emergency systems. UNIS allows for configuration of a sequence of actions that should take place if such a signal is received i.e. open all doors, send e-mail notifications etc. Together with UNIS In/Out Board evacuation lists can automatically be printed for EHS / OHS compliance.

Intrusion Detection

The ViRDI MCP-040 door controller has an on-board 8 Zone Intrusion Detection system that can manage Intrusion Detection devices such as PIR, Reed Switches, Active Beams, Sirens

UNIS allows for the configuration of this Intrusion Detection system, allocate zones, force arm, assign authorised key holders to arm / disarm the system, assign actions to programmable outputs and reporting to the UNIS Site Map Monitoring

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Admin Authority Management

Manages customised levels of Administrator Authority on the system. Certain rights may be applicable to certain Users while other may have no rights or admin authority whatsoever. The Master Administrator can configure these rights according to the site specific requirements.

Site Map Monitoring

Fully interactive map for site monitoring purposes. Displays transactions, events and alarms in real time. Customised maps in .jpeg or .png can be imported and icons can be assigned to denote devices being monitored

Database Management

UNIS has the ability to use various Database software packages. The Database can be seated on the same computer as where the UNIS Server software is installed (as is the case when native Access is used) or the Database can be situated on a separate managed SQL or Oracle server with UNIS Server only acting as fingerprint Authentication and Access Control Management Master. UNIS uses ODBC drivers which makes integration with third party Time & Attendance software quick and easy

UNIS Web Interface

UNIS Web Interface is an optional add-on module to allow Users to view reports on-line via an Internet browser. The web interface can be hosted by the User or can be hosted in the cloud

UNIS IN/OUT Board

UNIS In/Out Board is an optional add-on module GUI that indicates which Users are on site, which Users have left the site and which Users have not been to site for the day. It allows for evacuation lists to be printed in compliance with OHS / EHS requirements. Single user systems can utilise the native Access Database but multi-user systems will require an SQL Database.

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Software Requirements

Requirement	Description
Operating System (Client)	Windows XP SP3, Windows 7, Windows 8.1 (32bit Mobile / 64bit Desktop)
Operating System (Server)	Microsoft XP SP3, Windows 7, Windows 8.1, Server 2008 R2, Server 2012 R2
Database	Native Access (SOHO/SMME) SQL Express (SMME) SQL (SMME/ Enterprise / T&A) MySQL (Requires ViRDI assistance for configuration) Oracle (Enterprise) (Requires ViRDI assistance for configuration)

Network Requirements

Requirement	Description
Network	10/100 Mbps, Level2 Web Managed Switch (Minimum)
Firewall	Port Exceptions 9870,9871,9872
Addressing	ViRDI Terminals - Static IP Preferable but can be used in DHCP (Routing tables will have to configured by Network Administrator) UNIS Server - Static IP Database Server - Static IP Client - DHCP