

I/NET® Seven Integration

The logo features the word "seven" in a large, bold, black sans-serif font. Above the "e" in "seven", the text "i/net" is written in a smaller, red, italicized sans-serif font. The background of the logo area is a light blue gradient with a faint image of fiber optic cables.

One unified control
system – powerful,
reliable and easy to
manage



Integrated Control Systems

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Telecom giants, independent school districts, manufacturing plants, military bases and governmental institutions – they all depend on multiple control systems for their daily operations. TAC and I/NET® Seven provide powerful and reliable integrated solutions, linking security, lighting and HVAC – with interfaces to many other systems – for many of the world's most demanding customers.

And all I/NET products offer features that make your systems easy to install, operate, integrate, expand and maintain – throughout the life of your facilities.

TAC is dedicated to delivering industry-leading integrated solutions, ensuring you get a security system second to none, a lighting system of the highest order, and an HVAC system with a reputation among its loyal users as the best available.

Optimized System Design

Windows® 2000 operating system. I/NET Seven uses the Windows 2000 operating system, selected for its superior performance. Microsoft says, "Windows 2000 is 30 percent faster and, according to NSTL tests, is 13 times more reliable than Window 98."

IT friendly. I/NET Seven hosts and the NetPlus™ Router support all the standard administration tools most familiar to IT managers of today's TCP/IP Ethernet networks.

Open database MS SQL2000 desktop edition. I/NET Seven is built upon a commercially available database. Customers appreciate SQL2000DE because it allows them to:

- Easily access all system data.
- Link the database with others.
- Use standard reporting tools.
- Use familiar desktop software.

Wide range of third-party interfaces. I/NET Seven leverages the best of existing technology – now including ASCII interfacing options – by making it easy to incorporate third-party systems and devices including:

- Emergin's alarm management software
- Datacard's badging solution
- CCTV
- Fire alarm systems
- Chillers
- Modbus and many other protocols

Security Systems

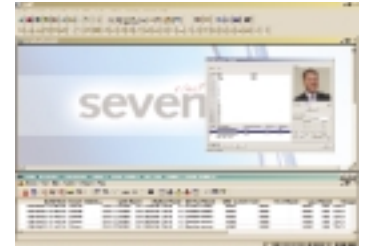
Image verification. User image is stored in the I/NET system along with the individual's records, allowing operators to quickly identify any person seeking entry.

Video Badging with Datacard ID Works.

I/NET Seven's integrated video badging system makes it fast and efficient to establish employee and visitor data and access privileges. As a badge is issued, the system automatically sets up badge holder information in I/NET.

"...the interface is excellent. To issue a badge in the VB systems and have the badge holder information set up in I/NET automatically is exactly what I have been asking for."

*Scott Porter
Utah Controls*



User and card management. I/NET Seven gives you the widest range of options for managing users and cards.

Multi-tenant configuration. I/NET Seven makes it easy to individually manage multiple tenants and give them control of their own system functions.

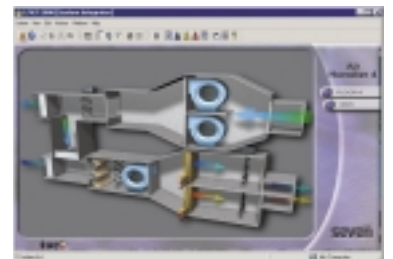
Full peer-to-peer control. I/NET Seven lets any device in your system interact with any other device. For example, the system can automatically activate lighting when guards enter an area, CCTV can record the progress of the tour, the alarms can be disabled locally, and local card readers can be switched to provide immediate duress points.

Highly available system. With its multi-workstation system independent of servers, I/NET Seven delivers high availability without the cost of expensive servers, disk farms or maintenance contracts.

Alarms and filters. The I/NET system has the most flexible and easy-to-use alarm handling system available, with configurable views and filters, snapshot reporting, and powerful alarm management capabilities.

HVAC Systems

Trend analysis with SevenTrends. The power of the I/NET trend data system is unsurpassed. Its controller-managed data gathering allows the system to apply complex calculations to data at the controller level before transmitting it to the host. Controller-initiated uploads deliver data to the open database where it is available for a wide variety of reporting



Feature	Benefit
References, reliability, reputation	Products and solutions from a strong, global corporation that has satisfied thousands of sites worldwide in many complex and varied applications. Enjoying high availability and unsurpassed backwards compatibility, users of Seven are assured of a system that will be there when needed.
We only make control systems	TAC is focused exclusively on providing the best building control systems in the world.
IT-friendly with Windows® 2000 Professional and MS SQL2000 desktop edition	Solid reliability IT departments are comfortable with, using a popular database engine from a reputable software vendor. I/NET ensures reliability of network's IT standard tools and systems.
Badging with Datacard ID Works	Utilizes Datacard's technology from a company that does nothing but print information onto plastic cards.
Full peer to peer	Ability of any device to communicate with any other device in the system without dependence on a host computer.
Reporting with SevenReports	Rich and flexible reports customizable to users' specific operational needs.
High availability system	Tolerant to network and cabling breakages, ensures security at all times. Increases system reliability without the costly expense of high-end, high-cost redundant server farms or arrays. Provides multi-workstation capability rather than client/server and distributed processing as well as protecting crucial event data.
Independent alarm client	Ability of alarm-only operator stations limits functionality based on user requirements.
User management grouping, multi-tenant configuration	Ability to control the features and access to information made available to all users reduces risk. Grouping users, doors and I/O enables easier management of system for change, monitor and control. Enables flexibility of landlord control, tenant control or mixed control as required by the facility's use profile.
Comprehensive anti-passback and anti-tailgating	Ensures secure and managed control of user movement in areas that require strict management of access.
Multiple cards per individual, user-defined card formats	Allows users to hold multiple cards for smooth transitions and system changes. The system can read almost any card format, whether public or proprietary.
Security recycle bin	Reduces the effects of accidental information deletion.
Operator functionality	Allows operators to have access only to those functions that are appropriate for their responsibilities.
Multiple alarm presentation with dynamic event and alarm filters	Permits users to define any number of filtered and sorted alarm lists to view active or archived data. Allows creation of ad-hoc viewing and analysis of event and alarm data in active or archived storage.
Monitoring from multiple locations	Permits flexibility of operator station locations to satisfy the changing needs of facility management.
Image verification	Allows operators to view stored image of users upon alarm or event as well as when analyzing past alarm data.
Extensive toolbar selection	Lets users select the toolbars and icons most suitable for their responsibilities.
Real-time dynamic graphics	Provision of rich, multi-layered graphical depiction of facilities tailored for specific operators, including navigation around complex systems.
Third-party interfaces, ASCII interfacing	Select from a large number of off-the-shelf interfaces to commonly used devices in buildings.

seven^{i/net}

tools. Data is carefully archived as needed and readily available both online and offline.

Automatic time scheduling. Each controller can carry a full years' time schedules, including holidays and special days – all configured from an easy-to-use editor.

Demand limiting. I/NET Seven includes programs and functions that help you manage demand and shed load.

PID control. I/NET Seven features highly configurable, self-adapting, self-tuning PID control.

Predictive start-stop. The system ensures comfort conditions are met only for those times necessary.

High resolution I/O. For precise control, few products can compete with I/NET. Its high resolution analog inputs and outputs – combined with localized control and highly capable trend analysis – set I/NET apart as a leader in this market.

Online/offline editing capability. I/NET Seven gives you the flexibility to make changes both online – while maintaining control and actively operating the building – and offline – for configurations and control systems that cannot be modified while active.

Lighting Systems

Circuit management. I/NET's specialized editors for circuit management simplify the control and management of lighting systems.

Warning timers. I/NET Seven's control of lighting zones lets the system provide warning of impending lighting shutdowns to after-hours occupants.

High voltage switching. High voltage, high current contactors built into the I/NET controllers (segregated enclosure) ensure cost-effective deployment.



Purpose-built for lighting control. The I/NET lighting controllers are designed specifically for the functions they perform and include high performance noise suppression and transient suppression features.

Consumption reporting. Automated trend data collection and monitoring of circuit usage makes energy-consumption billing quick and easy.

General Features and Functions

Extensive toolbar selection. I/NET toolbars can be conveniently positioned on the desktop for easy accessibility and intuitive operation.

Real-time dynamic graphics. The standard I/NET Seven package includes a comprehensive graphics system with all the tools, functions, and design capabilities you need to effectively manage your system.

Reporting with SevenReports. I/NET's version of Crystal Reports allows you to create standard or custom reports to meet your changing needs.

Multiple integration capabilities. A key feature of I/NET Seven is its ability to interface to third-party systems at all levels of its architecture.

Complete Integration from the Only Company Focused Solely on Control Solutions

In addition to the powerful capabilities you get in all TAC systems, you also benefit from TAC's sterling reputation and many decades of experience **focused exclusively on delivering superior control solutions.** Only TAC rests its success entirely on its ability to meet your control system needs.

Our systems are built to last for generations, with backward compatibility designed into every product. In fact, customers using the latest TAC Vista system are still enjoying reliable performance from controllers installed in the 1970s. Upgrades never require hardware replacement. We simply optimize all the best features of the many TAC products in your system, allowing you to do more and more as technology evolves.

That's why TAC is the right choice for all your integrated control system needs.

To learn more about TAC's building control products and solutions, contact your TAC representative or visit our website at tac-global.com.

tac-global.com

TAC occupies a leading position in the market as a supplier of open integrated systems within the field of building automation. Talking Buildings® encompasses the company's operations: to develop, manufacture and market products and services of open systems solutions to customers who value optimal indoor climate, security and low operating costs.

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