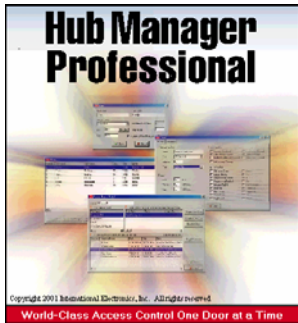


IEI Enterprise Approach – You can Program, Integrate and Manage all this with IEI HubManager Professional v5 Software

Hub Secured Series™



New

LAN/WAN Connectivity Prox.Pad Plus with RS485 Networking

- ☑ 32 doors per site
- ☑ 99 LS2, LS2P's per site
- ☑ 100 Sites
- ☑ 10,000 users system-wide
- ☑ 1,000 users per door, 2000 per LS2 series
- ☑ 2,000 users per prox.pad plus
- ☑ Integrated biometric enrollment and reader application
- ☑ LS2/LS2P Lock Set System integration
- ☑ Prox, Prox.pad and Keypad Readers
- ☑ Traditional RS232, Dialup



Secured Series™ **BioRead™**
Fingerprint Reader



LS-2/LS2Prox

Full Systems Access Control without wires



Why IEI?

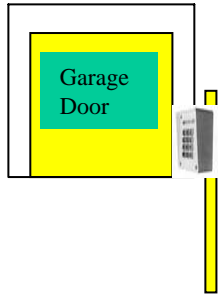
The Company

- Here today..Here tomorrow
- 25 years of industry excellence
- NASDAQ exchange
- Worldwide distribution
- ISO 9001 Certified
- Boston Corporate HQ Designs, Engineers and Manufactures, Supports IEI products

The Product

- Product Family Optimized for best profit returns in small - med market
- “One door at a Time Architecture” gets the starter job, then participation in growth
- Simple end-user operation
- Unmatched array of front ends

IEI - Single Vendor Source



- **Keyless Control**



- **Stand Alone Access Control**



- **Systems - Access Control Management**

IEI Door*Gard

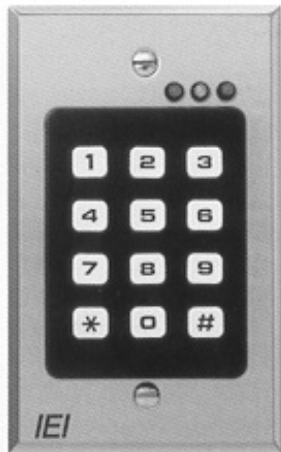
• **212 Keypad Series**

- **Convenience, not security**
- **Can Not Read a Door Contact**
- **Command & Control**
- **Key replacement**
- **Keypad, Lock, Power Supply**

• **232/242 Keypad Series**

- **True Security**
- **Can Monitor if door is open or closed/locked“**
- **“Why would you want to install an access control, that can’t tell if the door is open or closed”**
- **Keypad, Lock, Power Supply, Contact, Sounder, REX**

TYPICAL DOOR*GARD APPLICATION-STAND ALONE



•PROBLEM

–Stop shrinkage from public access to stock room and drug bin

•SOLUTION

–IEI 232

–Door sounder output annunciates door propped

– Secure access locally managed by store managers

TYPICAL DOOR*GARD APPLICATION- STAND ALONE AND NETWORK READY FOR EXPANSION



- **PROBLEM**
 - Different levels of security needed
 - Integrate onto an online system if/when needed
 - Employee Accountability
- **SOLUTION: Prox.Pad**
 - Card and code combination
 - Stand-Alone that can become part of a system
 - Audit Trail

Integrated Lockset LS2/LS2P Series

- Economical – No locks, readers or Power supply to install and wire
- Wireless “instant “ solution
- Let the building tell you where/what to install
- “ Systems” Managed and integrated via HubManager Pro software via
- Programming and Log retrieval via “off the shelf” Palm PDA
- Mix and match with other front ends for best, most economical solution
- 2000 users

LS-1 & 2 Series Family

LS-1

Stand Alone Keypad
Access Control Lockset.



LS-2

Computer and wireless
PDA managed Access
Control Lockset with
audit trail.



LS-2P

Computer and wireless
PDA managed Access
Control Lockset with
audit trail and proximity.

LS-1 FEATURES

- Keypad programmable with Master Code
- 120 individual user codes including Master, Supervisor and Emergency

LS-2 & LS-2P FEATURES

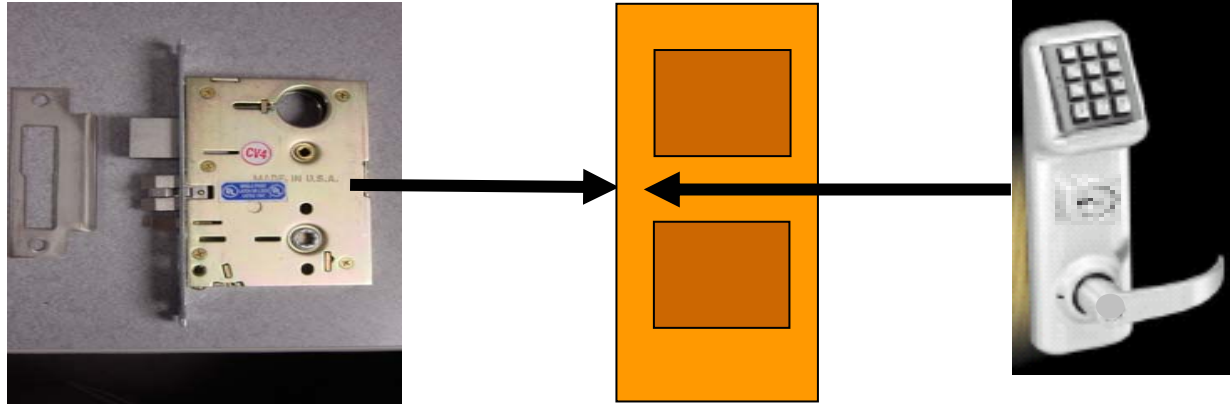
- 2,000 individual users per lockset
- 2,000 transactions stored per lockset
- Wireless lockset programming and audit trail retrieval with PDA running Palm® OS version 4.1 or lower
- Managed with HubMan Professional Software version 4 or newer
 - Unlimited Access Levels including Time Zones and Holidays
 - 10,000 users per system
 - Unlimited Sites
 - Import user names

LS-2P FEATURES

- Read most HID proximity cards and fobs
- Users can be Code, Card, Code and Card, Code or Card

LS/LS2/LS2P Mortise

LS with Exit Device, Deadbolt



- Interfaces with Standard Brands REX
- Satisfies Heavy Duty Use such as Colleges, Hospitals, Institutional
- Deadbolt Security Lockout
- Door Position Monitoring

Typical LS Application

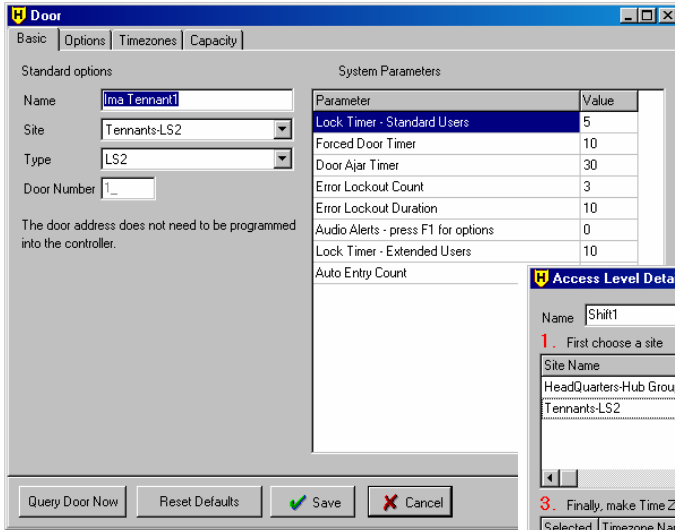


- **PROBLEM:** Labs, Supply Depots
 - Equipment loss
 - Re-keying costs
 - No control of who has access and when
 - Wired too costly
- **SOLUTION:** LS2P
 - needed 300 users and time/door groups within the users
 - Program/retrieve logs on Guard tour
 - Use existing cylindrical lock

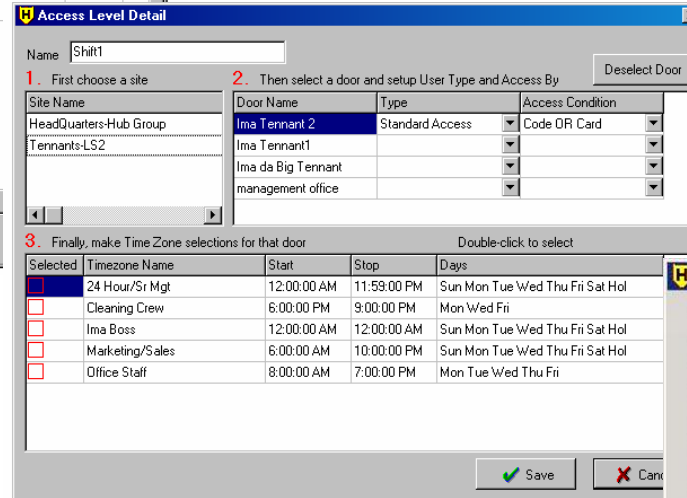
Seamlessly Integrate, Programs, Manages Wireless LS2/2P Locksets via IEI HubManager Professional v.5 software

.....

1. Make it a system door



2. Add it to Access Levels



3. Add Users via Access Level



- Export to the PalmPilot
use its Infrared to import and export data to LS2/LS2P
- Import from Palm into System History



IEI Systems Series

Value: Access Management

- System Wide Programming
- Easy and Instant System Wide Changes
- Incident, Activity, Time and Attendance Reporting
- Single and Multi Site Management

Typical Components

- PC or Laptop
- Management Software
- Communications Networking
- Controllers
- Keypad/reader
- Lock
- Power
- Contacts
- Rex

Why Systems ?

“The Boss” 9:45 AM

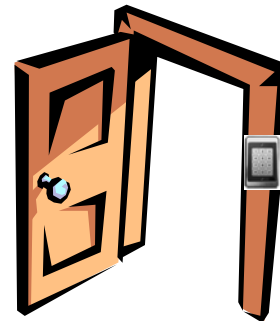
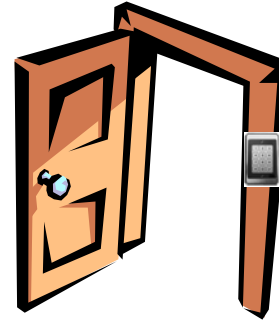
...“We need to add 8 new people and
remove John by 10 AM

**Your Customer on
StandAlone Keypads**

...OH xxxxx!!!!

On IEI Hub Systems:

...OK all you doors, listen up..Click
Instant, system wide changes via PC



Hardware Issues

- Best Cost of Ownership
 - Installation Issues
 - Expansion issues
 - Customer Support Issues



Why IEI Systems... IEI Panel Installation Advantages

Non-IEI System

Transience Install Filters, MOV, Transorbs

Ground Fault Install/run ground wire to cold water pipe

Wire run distances Calculate/meter it

Trouble Shooting 2 people, meters
Wringing out the System

Battery Back Up Non std, Separate can

Networking Issues Converter

Software Issues Authorize/trained administrator

IEI -Time/Hours/Cost Saved

Built into the Board _____

Just Plug in the Transformer_____

Published Distances _____

LED Indicators _____

Plug in standard 7 AH Connects to the board _____

No Converter _____

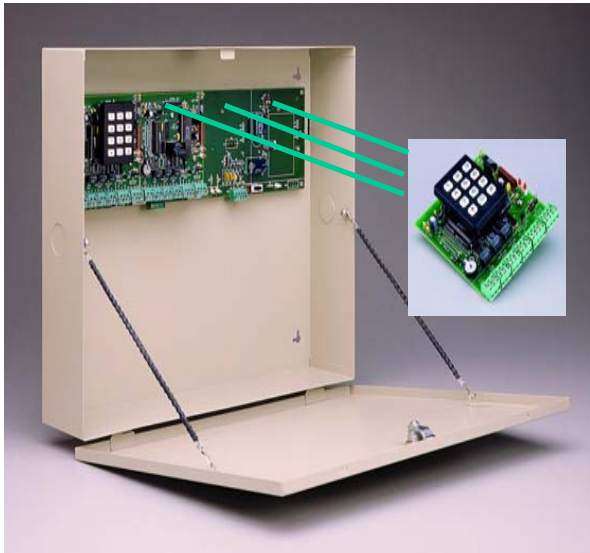
RS232, 1000' Pc to panel, panel to panel
LAN WAN Gateway

Intuitive, “casual user simple” _____

IEI's "One Door at a Time" Panel Architecture Advantage

For Single or Multi Door Systems.....HubMax 1-4 Door Expansion

Buy and sell exact capacity for the job



- 1-4 door plug in modules for expansion
- Quick and easy "Mistake proof" connections
- Networking, Upload/download via Hardwire and dial-up modem
- Hub Manager Professional software, all connectors, system power supply included

For Single Door, "5th Door", "Just One More Door" ...MiniMax



- Includes
 - One System Power Supply runs panel, MiniMax Lock, Readers, Rex, Contacts, Relays, Modem
 - Plug on Modem connector
 - Network and PC Connectors
 - Software for local and remote sites
- Flexible Choices
 - MiniMax Only
 - MiniMax Starter kits with prox cards and choice of Prox, Prox.pad with/without Modem
- Networkable with All Hubs

ProxPad Plus™ Self Contained Controller Features

It's a "Familiar" Prox.Pad

- Single door "controller"
- 2000 users/door
- Pin,Pin+Code,Code
- Self contained or remote reader
- Built in REX, Door contact input
- Built in Lock relay
- One plug in transformer runs it all
- Cost effective – all wires at the door

PLUS

- High speed full duplex RS 485 Networking
- Chain up to 32 doors per site - Unlimited sites
- Multi Local and Multiple Remote Site Networking
- LAN WAN Communications Connectivity via IEI Gateway
- Tamper switch – alert
- Programmed/Managed via IEI HubManager Professional v 5



Prox.Pad Plus Cost/Benefit Advantages

Networked, Self Contained, Single Door Access Control System

- **COST**

- Less Costly wiring / Everything is right at the door, No reader cables to a controller
- Plug in power supply runs everything plus the lock
- No more modems - telephone lines for multi site management

- **Conquers Budget Sensitive Issues**

- Buy exact capacity for the job "One Door at a Time"
- Fits Starter Budes and gets the Job
- Easily expanded as budget permits

- **Local and Multi Site**

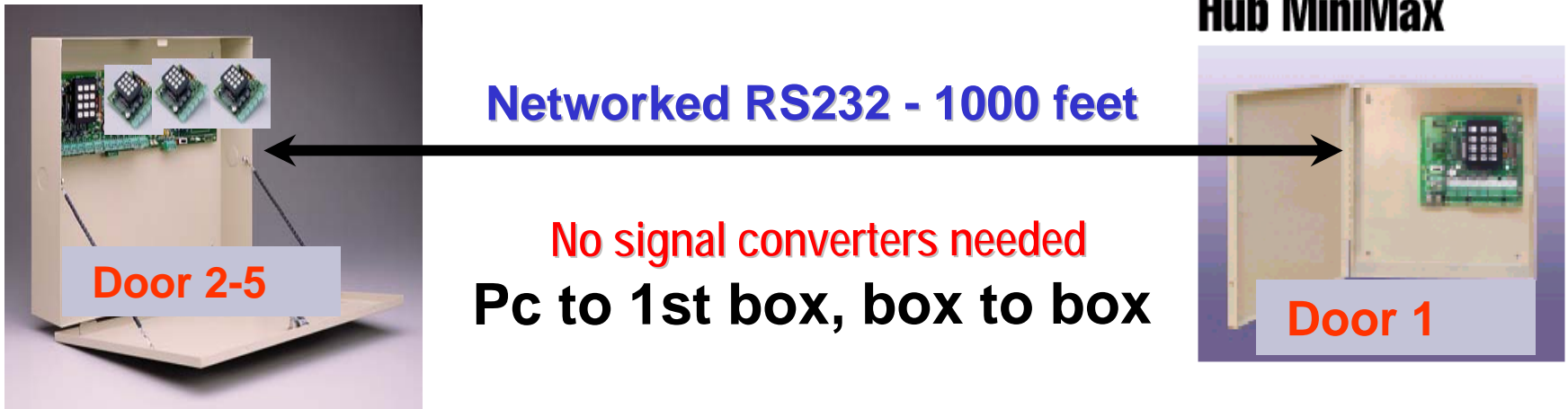
- Program / manage multiple local chains and remote sites via Rs485, LAN WAN network
- 32 doors on High speed RS 485 network runs 2000'
- Run several chains into one RS485 connection via Star, Home run, T Tap combinations

- **System Management**

- Programmed and managed via HubManager Professional V5

Networking Issues - Less Wire Pulling

..Lets the Building Tell You The Best Solution



GROWTH: 4 Doors Closely Grouped

- Any Vendor: up to 14 Door related Wires each door

First Door

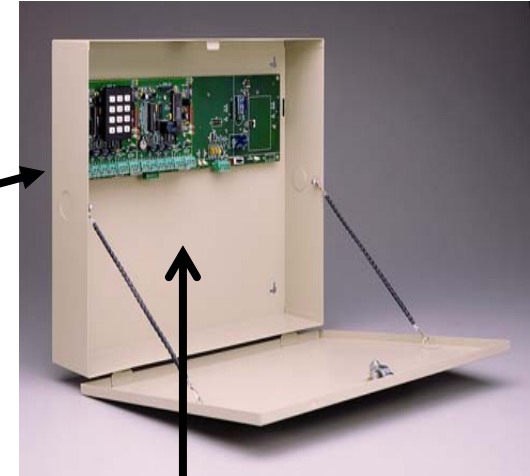
- Any Vendor: up to 14 Door related Wires each door

Simplest Hardwire Networking Available

- **No converter box needed**



RS232 3 wire, 1000'
**No converter
box needed**

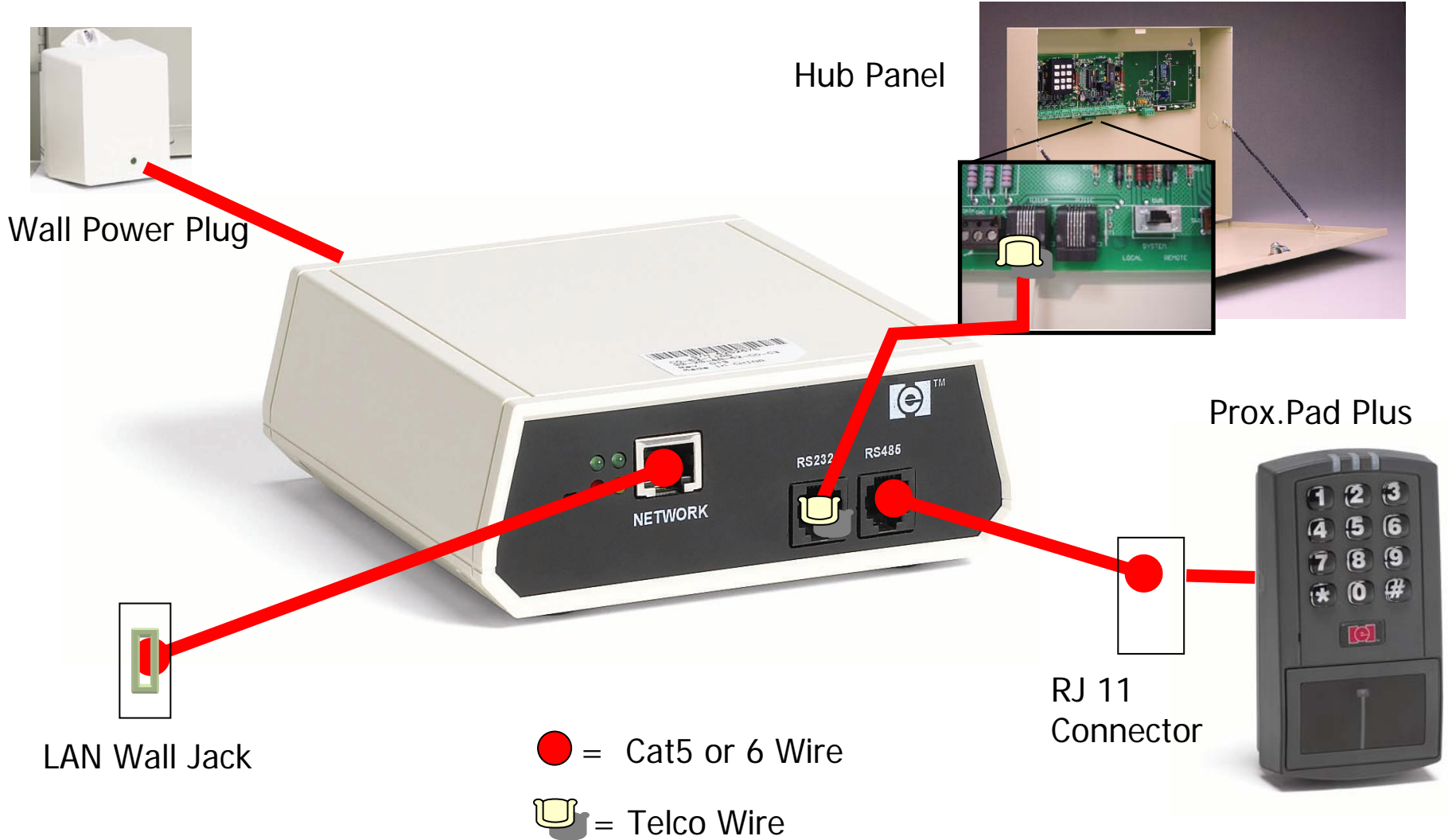


Panel to Panel
RS232 3 wire, 1000'

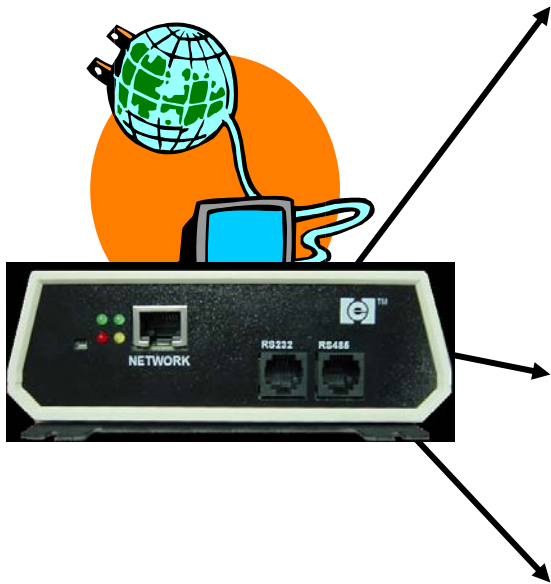


- Direct PC/Laptop connection
 - RS232, 1000'
 - No converter box needed
- Dial Up Modem:
 - Local, remote, multi-site
 - Unlimited sites

LAN/WAN Connectivity – IEI SEG-1 Gateway



IEI LAN WAN Gateway Features



Communication via Corporate LAN WAN

- Enterprise wide IEI access control system management
- Unique Static Internet Protocol (IP) address in each gateway
- 2 access systems ports to connect IEI controllers / controller chains
 - One for RS232 (secured series)
 - On for RS485 (prox.pad plus)

Concurrent RS232 and RS485 communications

- Mix Secured Series Hubs, HubMax, MiniMax and Prox.pad plus on the same gateway

Secured Data Transmission

- High level 128 bit encryption protects data against hacking, snipping or decoding
 - Same level used by banks
- Random securely encrypted data sent over the LAN
- decrypted by the IEI gateway
- Only HubManager professional V5 can access each Gateway's IP address

SEG-1 Cost/Benefit Advantages



**Manage IEI
access system
Over LAN WAN
Networks**

- **COST**
 - Install, Program and manage system without running additional network cables
 - No more modems - telephone lines for multi site management
- **Local and Multi Site**
 - Easily program-manage multiple local chains and remote sites via network connection
 - SECURE 128 bit encryption
- **System Management**
 - Move/change system management from-to any other LAN Networked PC

TYPICAL IEI SYSTEMS APPLICATION: MANUFACTURING



Application: Palmer Valve Company, Jackson Alabama

Need- 3 Shift Manufacturing Plant

- ◆ R&D.Labs - High Security
- ◆ Time and Attendance
- ◆ Unattended Access Control

Hub System Solution: 15 doors

- ◆ HubManager Professional software, HubMax controllers, prox.pad readers

Reason For IEI Selection: All three in one system

- ◆ IEI prox.pads at R&D, Labs require Pin and Code
- ◆ IEI prox.pads for In-Out report times/days to HubMax
- ◆ HubManager Professional calculates employee's hours
- ◆ Unattended after hours access Auto lock, prox.pad access control

TYPICAL IEI SYSTEMS APPLICATION: ANTI-TERROR ATTACK



Application: Kroger Foods

NEED: Keep our food supply safe from a terrorist bio-chemical attack

- ◆ Secure the plant via 24 Hour electronic access control at all 20 internal and perimeter doors

Dealer: Murray Telephone, Murray, KY

Hub System Solution: HubManager Professional, HubMax, FX Keypads

Reason For IEI Selection:

- Maintenance free operation with IEI piezzo FX keypads
- Assure closed and locked doors via door contacts monitored by HubMax panels, associated forced or propped door alarm sounder and a REX egress button
- Operations people can instantly implement frequent employee access control changes system wide and run investigative reports.

TYPICAL IEI SYSTEMS APPLICATION: LOSS PREVENTION



Application: Griffin Cable Company

NEED:

- ◆ Stopping expensive shrinkage of cables, connectors, boxes
- ◆ Managing 24 hour access control for a constantly changing work force

Dealer: Beacon Alarms, Griffin, GA

Hub System Solution:

HubManager Professional, HubMax

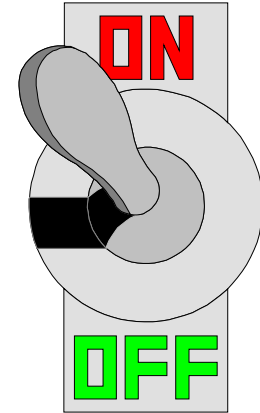
Reason For IEI Selection:

- Stop shrinkage via access controlled and monitored supply doors
- Easily do Instant changes in employee access
- Easily do investigative reporting

OTHER INDUSTRIAL APPLICATIONS: MACHINERY AND VEHICLE CONTROL

IEI Power Key

IEI Electronic access control
Keypad "SWITCH" for Industrial
applications



Now IEI Can Do It ALL!

IEI SEG-1 LAN WAN

Gateway

- No More Phone lines to pay for/run
- Totally secure data flow using 128 Bit encryption just like banks do.
- Communicates with and Runs all Secured Series Controllers via LAN WAN
- Concurrent serial 232, RS485, LAN WAN communications connectivity

Flexible Front End Choices

IEI Prox.Pad Plus™

- Single Door Networkable Controller
- Full RS 485 Networking Communications
- LAN WAN connectivity
- Managed with IEI HubManager Professional v 5
- Mixed with all secured series Hubs on the same network

HubManager Professional V5

- Seamlessly integrates programs manages the entire system