

Product Selection Guide



Smart access control and door entry systems

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About Paxton

Paxton is a global brand of integrated IP access control and video intercom solutions with 30 years' industry experience. Paxton is well positioned to provide both the installer and the end-user with innovative access control solutions designed to create a safer business environment with simple interactive design. From its inception, Paxton has aimed for engineering excellence by designing and manufacturing intelligent and innovative products that meet the challenges and trends of the ever advancing security industry in a global society.

Paxton continues to work hard every day on the basic principles that make us a valuable partner including the continued development of high quality products, customer care, competitive pricing and responsive technical support.

Five Year Warranty and Ultimate Returns Policy

At Paxton Access we are fanatical about customer support. To prove this, we offer an industry high five year warranty that reflects the total confidence we have in the reliability of our products.

Garantia Guarantee Garantia Garantia Garantia Garantia Garantia

Paxton's warranty on most of our products is five years from the date of purchase from Paxton. Paxton Access will replace, at its option, any of the

equipment that is guaranteed. Paxton Access will have the option of providing advance replacement by providing a credit for the cost of the equipment.

We want to make life as easy as possible for all installers who are genuinely trying to do the job of installing our products. Our five year warranty and returns policy helps us to do this successfully.

New Products to Guide

Net2 PaxLock



Net2, our networked access control system, comes with a range of single door controllers. The Net2 control units use different means of communication to exchange information with the server PC. They can be mixed and matched on a site, providing an extremely flexible solution.



Net2 plus has a built in TCP/IP interface, meaning it can be plugged directly into the IP network.



Net2 nano needs no direct connection to the network. Instead, Net2 nano uses fully encrypted wireless technology to communicate securely to the server, via a Net2Air Ethernet bridge.



The Net2Air Ethernet bridge is the link between any Net2 wireless product and the Net2 server. The bridge provides communication with up to 10 devices, over a 100ft (30m) radius with Power over Ethernet compatibility.



Net2 I/O boards connect directly to the network and allow Net2 to control or receive triggers from many third party devices. This includes elevator control, building control and health and safety applications.



The Net2 server PC runs the software and holds the database, controlling the entire system. The Net2 software can run directly from this machine or from any other PC on the LAN/WAN that runs client software.



Multiple workstation PCs running the client **Net2 software** can be used to administer the system from various locations and by different operators. Operators can be provided with varying levels of access to the software, depending on their role.

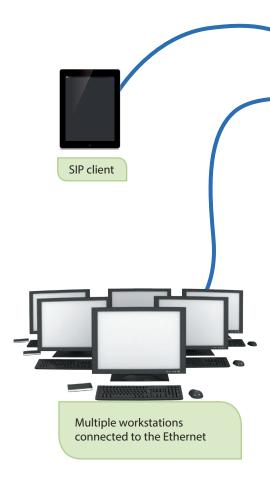


The **USB desktop reader** allows an operator using the Net2 server, or any Net2 client PC, to add and delete tokens.

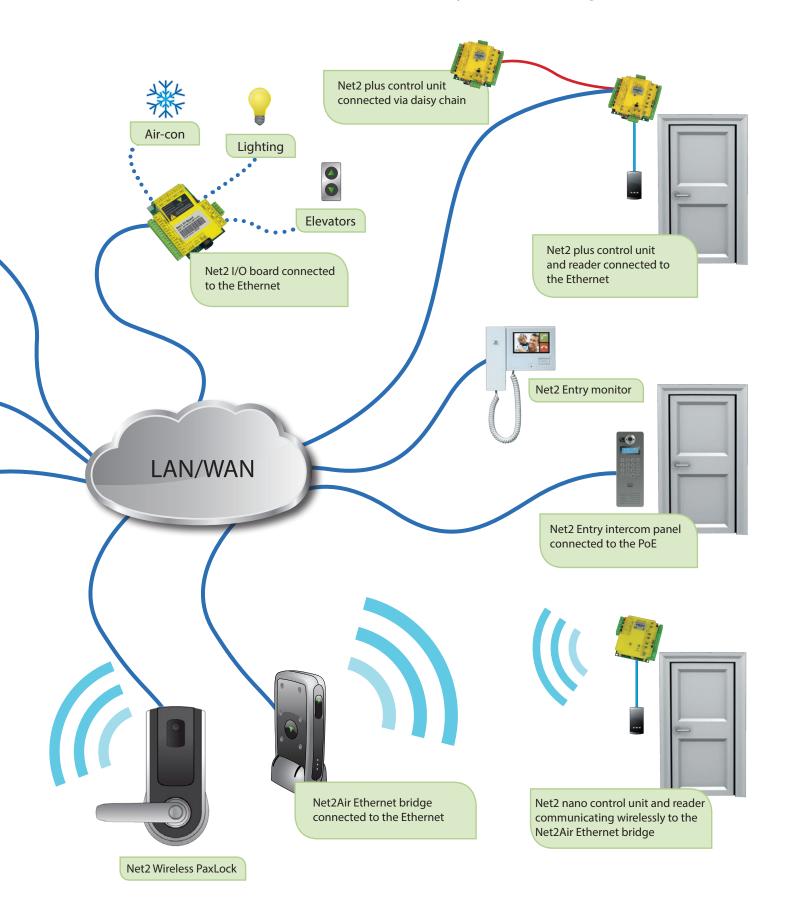


Net2 Entry is a video intercom based door entry system that works standalone or in conjunction with Paxton's leading Net2 access control system for an integrated solution to visitor and employee entrances.











An advanced access control unit with TCP/IP connectivity

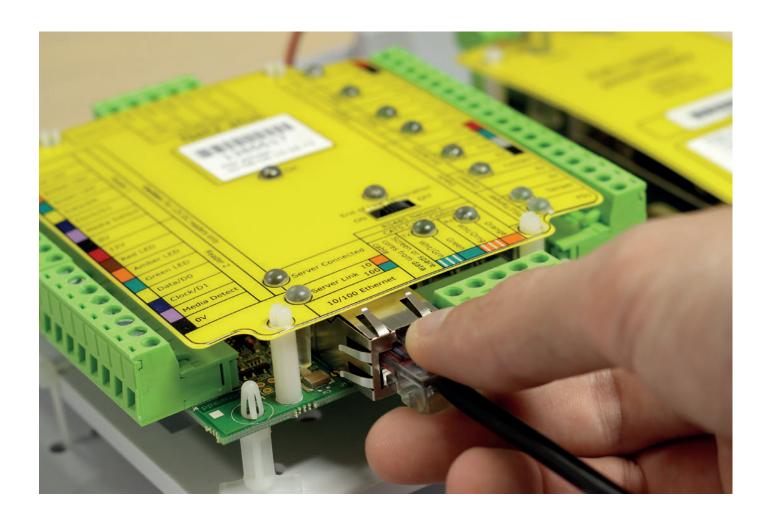
What is it?

Net2 is a PC based security system for controlling access through doors. Net2 allows users to be given access to particular areas at certain times. Because the system is networked, all administration can be done from a central

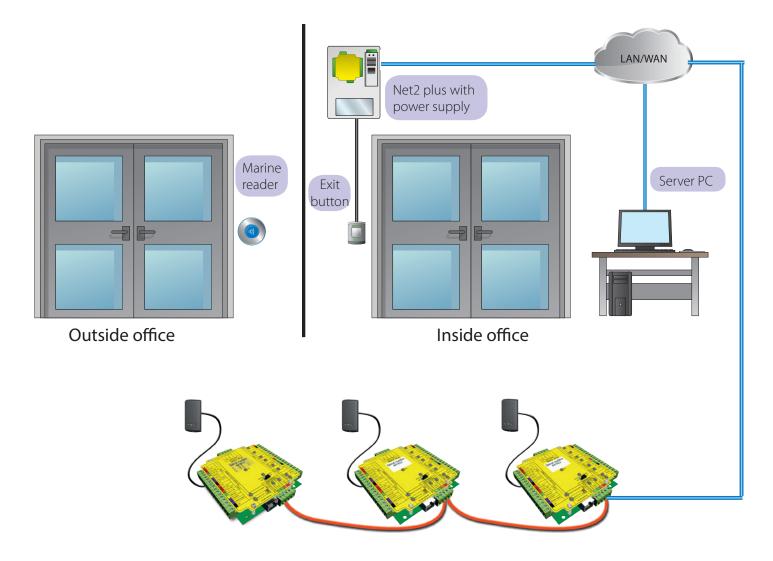
Net2 plus is one of three control units for the Net2 system. It is the most advanced control unit, employing the latest technology and offering huge potential for future expansion. As security technology develops, Net2 plus can take full advantage. Using Net2 plus ensures that the investment in access control is safe no matter how the system requirements change.

Net2 plus has on-board TCP/IP to allow direct connection to a computer network. This can save time, money and result in a better, more resilient system. Net2 plus control units can also be connected together using a dedicated RS485 network. This reduces the number of TCP/IP network points required for larger systems.

As with all Net2 control units, Net2 plus is designed to work seamlessly in the event of communications failure. It will continue to permit or deny access to users as appropriate. Once communications are re-established the activity is reported back to the PC.



System Design



Net2 Plus Benefits

- Single door networkable access control unit
- Plug into a TCP/IP network using a standard RJ45 plug
- Net2 plus can replace a TCP/IP convertor
- Net2 plus can also connect using RS485
- Net2 plus, Net2 classic and Net2 nano control units can be mixed on a site
- Diagnostic LEDs
- FLASH memory allows easy upgrades
- Use Paxton Access or 3rd party readers



An easy to install access control unit using secure wireless communications

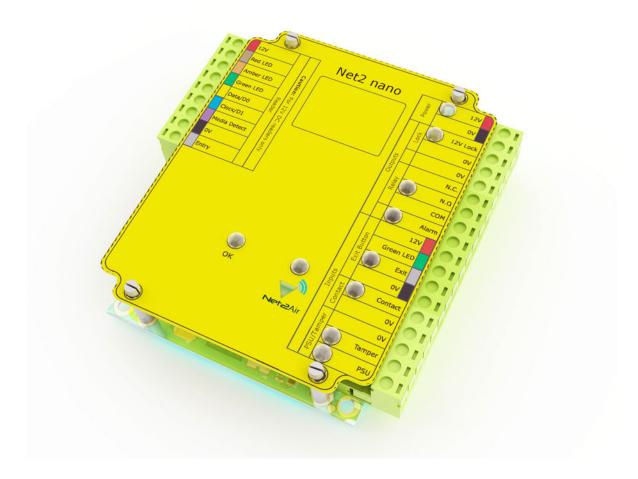
What is it?

Net2 is a PC based security system for controlling access through doors. Net2 allows users to be given access to particular areas at certain times. Because the system is networked, all administration can be done from a central point.

Net2 nano is one of a range of three Net2 control units. It communicates with Net2 software at a central point by a secure, low power radio link. This means that your installation is more cost effective and less disruptive as no cable is required to communicate between doors. In addition, Net2 nano benefits from unique ease of installation and configuration - no knowledge of networks is required.

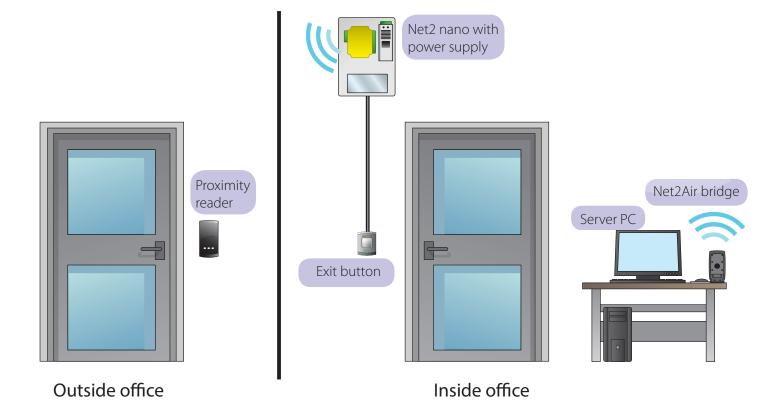
One Net2 nano controls a single door, gate or barrier. It may be installed as part of a Net2 installation alongside other Net2 nano, Net2 plus or Net2 classic access control units. Simply connect a Net2Air USB bridge to the central Net2 server PC and the Net2 software will discover and communicate with Net2 nano control units within range. A secure pairing procedure ensures that communications are private and restricted to the site. If there is an existing TCP/IP Ethernet network, a Net2Air Ethernet bridge may be used to extend the communication distance from the central server

As with all Net2 control units, Net2 nano is designed to work seamlessly in the event of communications failure. It will continue to permit or deny access to users as appropriate. Once communications are re-established the activity is reported back





System Design



Net2 Nano Benefits

- Uses wireless technology
- No wiring needed between the control unit and the air bridge
- Diagnostic LEDs

www.paxton-access.com

• Color coded wiring labels

- Net2 nano, Net2 plus and PaxLock US integrate on a same site
- Dedicated lock output
- Distributed intelligence
- Event buffering



Net2 PaxLock is a Complete Wireless Security Solution with Quick and Easy Installation

Net2 PaxLock will save you time and money on site, it can be installed quickly and comes pre-fitted with a C keyway core, also available to fit SFIC keyway.

The battery powered unit comprises a networked access control system in a door handle, combining secure wireless technology with a stylish proximity reader.



Key Benefits of Net2 PaxLock Over a Hardwired System

- No separate power supply needed
- No cabling to the door
- Minimal installation time
- ANSI Grade 1

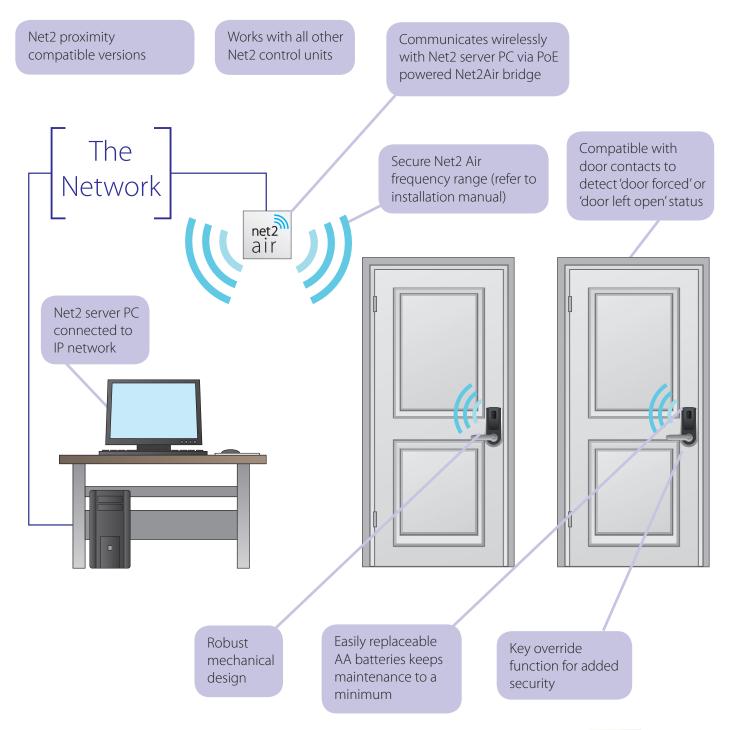
- Reduced labor costs
- Can be retrofitted to existing lock cases
- Simple maintenance
- UL-10C rated



How Does it Communicate?

Net2 PaxLock communicates with the Net2 software at a central point by a secure, low power radio link, and events are reported back to the server in real-time. It is designed for use with Net2Air Ethernet bridges to give the advantages of a wireless networked access control system. Each Net2Air bridge can detect Net2 PaxLock units within an average wireless radius range of up to 50ft (15m).

Net2 PaxLock is simple to use and quick to install because it is not wired into a mains power source, making it an ideal solution for internal doors.



Net2 software overview

Net2 is an advanced PC based access control system that is used for controlling who goes where, and when. Within the Net2 architecture a user can add and delete credentials, run reports and configure the hardware to perform as required. The database which includes all credentials, door configurations, time zones, etc. is automatically downloaded to each access controller so the decisions are made locally at the door regardless of the computer condition. Net2 is a feature-rich solution to ensure the end user's requirements are exceeded. An example of the features included with the base software include:

- Access Control
- · Custom Reports
- Burglar Alarm Integration
- CCTV Integration
- Video Intercom Integration
- Card Badging Design and Print
- · Time and Attendance
- First in Building Unlock

- · Input to Output Linking
- Elevator Control
- Graphical Maps
- Relay Latching
- · Emergency Lockdown
- Text and Email Alerts
- · 3rd Party SDK Integration
- Browser/iPad/iPhone App Management

Net2 also allows unlicensed installations of application software on workstations throughout a facility so various departments can manage their part accordingly.











Net2 Access Control Software

Paxton offers two great versions of Net2 software for use with the Net2 access control system. With innovative functions, smart designs and effective programming; Net2 has been specifically developed to enhance your experience of using access control and make your life easier.

Net2 Lite

Simple and reliable access control software for Net2, ideal for getting your system up and running.

Net2 Pro

The intelligent Net2 software from Paxton. Net2 Pro offers great features that move beyond simple access control.

Feature	Lite	Pro
Multiple clients	•	•
Free upgrades	•	•
CCTV integration	•	•
Site graphics	•	•
Triggers and actions	•	•
Intruder alarm integration*	•	•
Net2 Entry compatible	•	•
Biometric integration	•	•
Timesheet & Timeline*	•	•
Card designer	•	•
Landlord Tenant		•
Roll call and muster reporting*		•
Fire alarm integration*		•
Anti-passback*		•
Security lockdown*		•
Multi-zone intruder alarm integration*		•
Areas		•
Customizable welcome page		•
Net2 Anywhere web access		•
iPhone apps		•

^{*}Not available with wireless nano products



An integrated POE enabled access / video door entry system

Net2 Entry is a simple security solution that allows you to identify a visitor before they are granted entry to the main doors of your building. Once you have recognized the visitor via our smart audio and color video monitor, you can grant or deny access as appropriate. You can unlock the external doors to your building by simply pressing a button on your touchscreen monitor.



Convenient and Secure

- Grant visitor access at the touch of a button
- Unlock main doors from the comfort of your home or office
- See and hear who is outside before you open the door
- Use the video monitor to look and see who is visiting at any time
- Works with Paxton's leading Net2 access control system for added security

Net2 Entry is easy to use and comes in a stylish, discreet design, offering a flexible and high security solution that suits a range of environments.

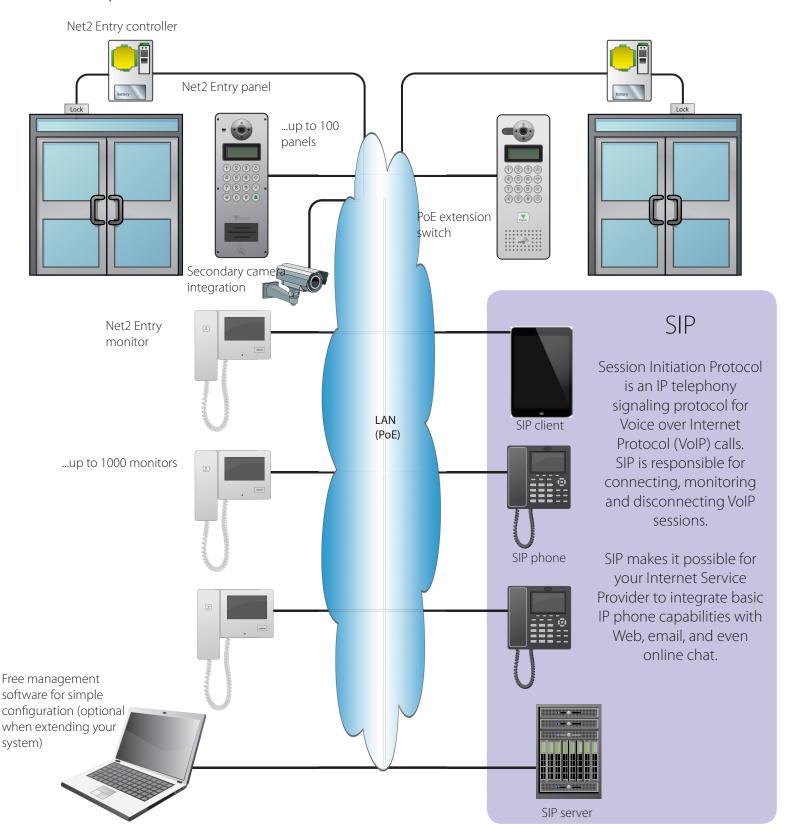
How does it work?

Net2 Entry has been designed to be the simplest door entry system available. The system is quick and easy to install as only one type of cable is needed between system components. Net2 Entry can be fitted using existing Cat5 infrastructure and can connect to an existing IP/PoE network. This means you won't need a separate power supply, comms and coax/video cable, saving you time and money.

It's also easy to use Net2 Entry with Net2 access control and configure your system to allow day to day access for residents or tenants who have a Net2 token or PIN code.



A simple one door solution











P series reader

The P series range of readers is our most popular and comprises four readers ranging in size from the P38 to the P200. All the P series readers give increased read range when used in conjunction with a Hands-free interface and Hands-free tokens.

All P series readers are supplied with two fascias, one grey and one off-white. Other colors are available from your installer. These fascias can be replaced periodically to keep your installation looking brand new.







Energy saving reader

The Energy saving reader can be used as an electrical switch to control facilities such as lights and air conditioning. These facilities can be turned on by placing a valid proximity card in the holder on the front of the reader. Removing the card turns the equipment off. Of course only cards that have been given the necessary permissions can use the equipment.

Typical uses for the Energy saving reader include using access control cards to switch on lights, air conditioning or for health and safety applications.







Vandal resistant metal keypad

This solid metal, heavy duty keypad has been developed to stand up to abuse and is perfect for areas susceptible to vandalism. Its robust exterior also makes it suitable for physical environments where bumps and scrapes are inevitable.

The keypad incorporates a back-lit display and embossed numbers to facilitate the accurate entering of a PIN (or code) even at night. The back-light is also used to denote access permissions; flashing green for access granted and red for access denied.





HID™ reader range

The HID™ reader range is a smart selection of readers compatible with HID™ format cards, including the Proximity P50M HID™ reader, the Proximity panel mount HID™ reader and the Proximity metal HID™ reader.

The multi-format readers can be configured to read standard 125kHz HID™ cards; ideal for large sites wanting to use existing cards for their Net2 access control system.







Vandal proof reader

As its name implies, the Vandal proof reader is suitable for vandal prone environments. The vandal resistance of this reader comes not from a chunky metal design, but from a unique form that allows the reader itself to be embedded in the wall and so not exposed to abuse. If you can't get to it, you can't damage it.



Architectural reader

This is a unique reader in that its appearance can be tailored to its environment. The reader consists of two parts: the reader housing and the insert. Three inserts are available from Paxton; wood, glass and stone, but others can be created in the style and material of your choosing. The reader itself is available with a choice of three bezel finishes; matte black, gunmetal grey and satin chrome.





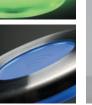


Marine reader

The Marine reader is housed in high quality marine grade stainless steel and is built to withstand the elements, as well as look elegant. Although it has been specifically designed for marine applications, such as yachts, it is suitable for use anywhere.

The high visibility blue LED lighting gives a stunning visual impact. It is also used to denote access permissions; flashing green for granted and red for denied.







I CD reader

This reader is unique in the fact that the main visible face of the reader is made up of a full color back-lit LCD screen. The LCD screen can be configured to display any image required. Different images can be displayed when a user is permitted or denied access.

Images are stored at the reader and can be easily updated using a wireless USB device.







Panel mount reader

Audio and video entry panels are widely used in residential and commercial buildings for controlling the access of visitors. Rather than having a separate proximity reader for controlling the access of residents or staff, the Panel mount reader is designed to be mounted within the door entry panel itself.







Net2 Caller ID/GSM reader

The Net2 Caller ID/GSM reader allows you to unlock a door using any phone as a key, by communicating via cell phone network. A registered user simply makes a call from their phone to the Net2 Caller ID/GSM reader and the door will unlock.

You can now secure gates and barriers or any remote site that's hard to reach. The Net2 Caller ID/GSM reader helps save money on security call outs and manned guarding.











Example of a system using TCP/IP with Net2 plus controllers

- A networked, IP-ready, single door controller
- On-board TCP/IP connection allows direct connection to a network
- Can connect together with dedicated RS485 network





^{*} Requires 24V 40VA transformer - not supplied.



Example of a system using wireless with Net2 nano controllers

- A wireless single door controller
- Communicates to the server PC using Net2Air technology via a Net2Air bridge
- No cable required between Net2 nano and the server PC, reducing installation time
- Recommended maximum distance of 50ft (15m) between Net2Air bridge and Net2 nano



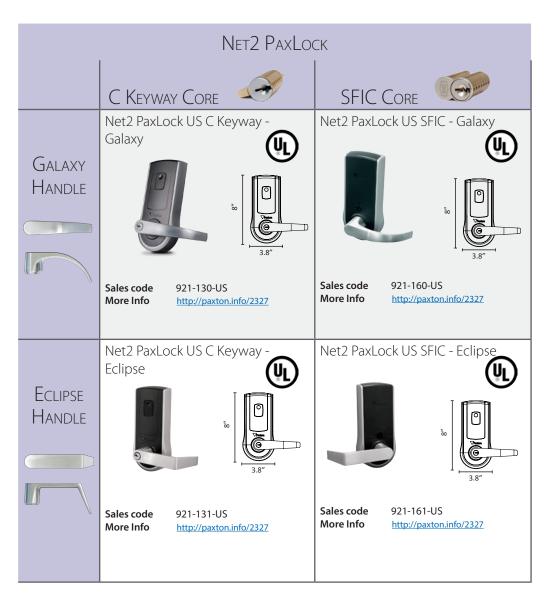


^{*} Requires 24V 40VA transformer - not supplied.

Net2 PaxLock is a battery powered Net2 access control unit in a secure door handle and comes ready to install with a C Keyway lock or alternatively to fit with an SFIC lock.

Communication between Net2 PaxLock and the Net2 server is done wirelessly through the Net2Air Ethernet bridges, providing all the advantages of a wireless access control system.

Net2 PaxLock is simple to use and fast to fit because it has a selfcontained power source, for internal doors.



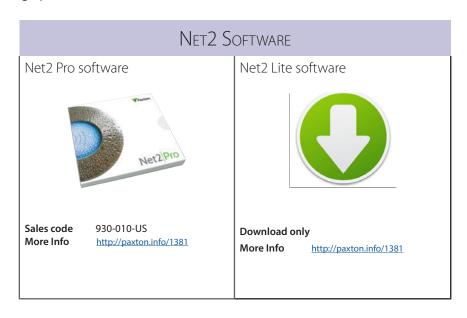




Net2 Software - Pro and Lite for use with Net2 access control

Net2 Pro has all the capabilities of Net2 Lite software with advanced features like fire alarm and multi-zone intruder alarm integration, security lockdown and anti-passback.

Net2 Lite contains all of the access control features to manage access privileges and report on users. Other features include multiple workstations, CCTV and intruder alarm integration, timesheet and timeline, card designer and site graphics.





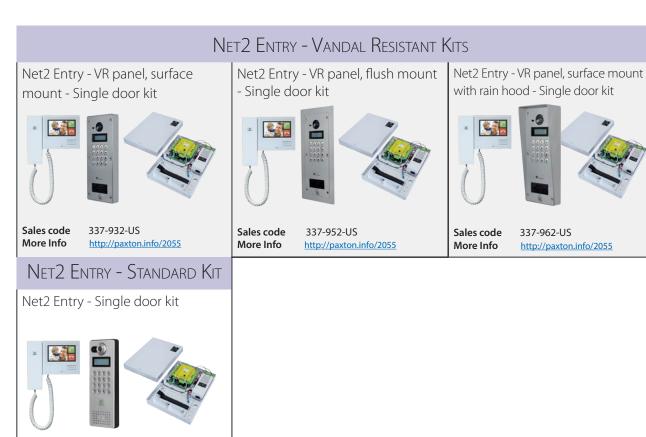
Net2 Entry - IP Video Intercom

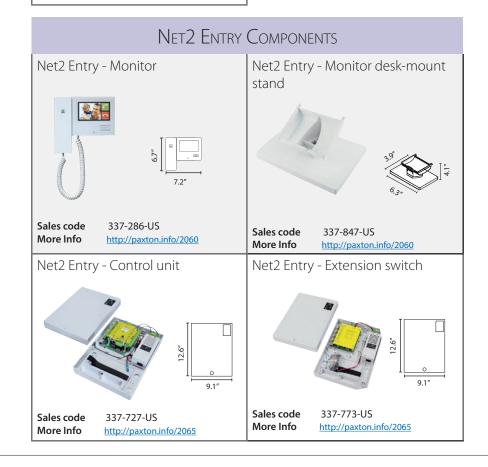
Net2 Entry is an intercom system that works standalone or alongside Paxton's Net2 access control, combining door entry with key features of Net2.

Net2 Entry comes in a discreet design that is suitable for a range of environments. The Net2 Entry external intercompanel has an attractive brushed steel effect for a clean appearance and durability.











Sales code

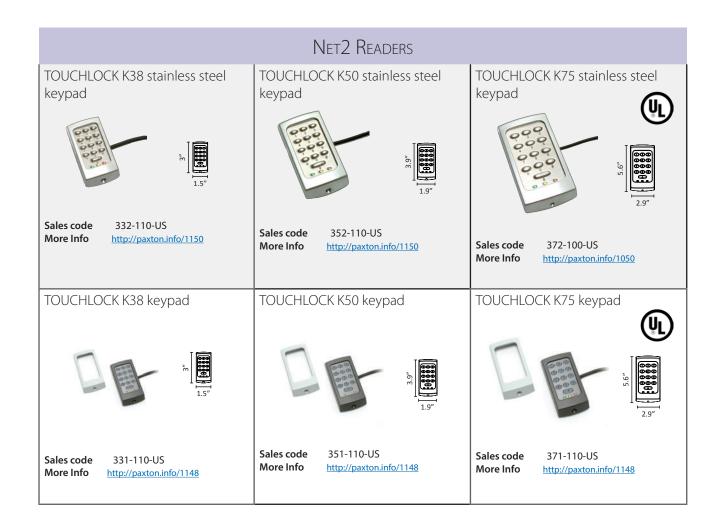
More Info

337-900-US

http://paxton.info/1908









Net2 Specialty Readers PROXIMITY marine reader, chrome PROXIMITY marine reader PROXIMITY LCD reader * See note 1 Sales code 380-127-US Sales code 500-020-US Sales code 500-010-US More Info http://paxton.info/1149 More Info http://paxton.info/1141 More Info http://paxton.info/1141 PROXIMITY architectural reader Architectural reader insert, stone, PROXIMITY P50 Mifare reader -matt black, dark gray or satin wood, glass with logo chrome * See note 2 Stones ales code 361-002-US Sales code 353-467-US Wood sales code 361-001-US Sales code 60-864BL/GG/SC-US More Info http://paxton.info/1558 Glass sales code 361-003-US More Info http://paxton.info/1144 More Info http://paxton.info/1144 CARDLOCK reader, satin chrome CARDLOCK reader, black plastic Net2 Caller ID/GSM reader in plastic housing Sales code 266-898-US Sales code 409-711SC-US More Info http://paxton.info/1146 More Info http://paxton.info/1147 Sales code 460-210-US More Info http://paxton.info/1728 Energy saving reader Long range reader Sales code 313-110-US Sales code 595-248-US More Info http://paxton.info/1142 More Info http://paxton.info/1154



^{*} Note 1. An LCD reader image uploader, USB (Sales code 380-592-US) is required to upload custom images to the reader.

^{*} Note 2. The Proximity architectural reader inserts are sold separately and do not come supplied with the reader.







Net2 Accessories Exit button E38 Exit button E50 Exit button E75 Sales code 356-310-US Sales code 336-310-US Sales code 376-310-US More Info More Info http://paxton.info/1238 More Info http://paxton.info/1238 http://paxton.info/1238 Exit button marine Hands free card holders with Hands free card holders with clip, portrait, pack of 5 suckers, pack of 5 Sales code 696-100-US Sales code 696-200-US Sales code 593-721-US More Info More Info http://paxton.info/1248 More Info http://paxton.info/1238 http://paxton.info/1248 Hands free card holders with clip, ISO card holder, clear, pack of 5 Hands free interface in plastic landscape, pack of 5 housing - EM4100 Sales code 696-300-US Sales code 477-222-US Sales code 696-400-US More Info More Info http://paxton.info/1359 http://paxton.info/1248 More Info http://paxton.info/1631 12/24V AC/DC power supply in PoE+ power supply in metal 12/24V AC/DC power supply, no metal cabinet cabinet - ETL housing (VL Sales code 857-381-US Sales code 857-346-US 857-080-US Sales code More Info http://paxton.info/1253 More Info http://paxton.info/1253 More Info http://paxton.info/1253

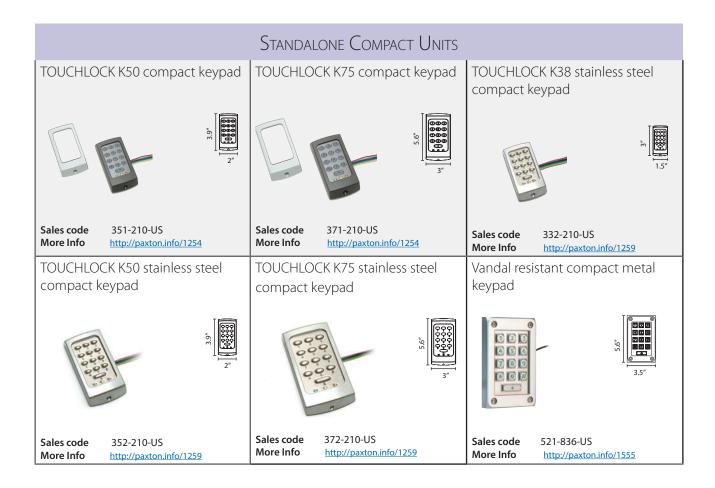






Standalone Access Systems - Compact

The Compact series are self-contained readers that include the components of an access control system for management of one door. All the wiring connects back to the reader. Compact systems can be installed to many doors over a site, all using the same cards.

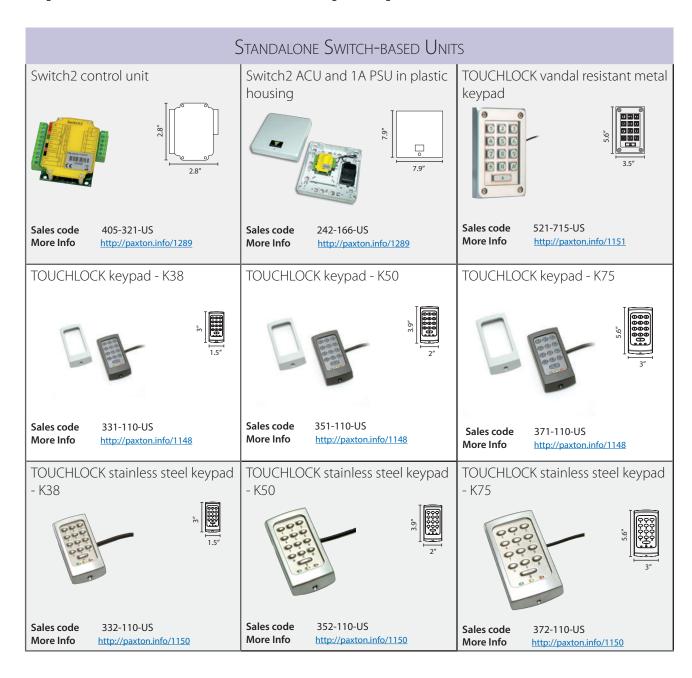




Standalone Access Systems – Switch2

Switch2 is a single door control unit. The control unit stores the access permissions of the user and is mounted within the building. This makes the system suitable for high security applications.

Switch2 can be used with PROXIMITY, CARDLOCK or TOUCHLOCK readers. Switch2 can be installed to many doors over a site, all using the same tokens. Two readers can be connected to a single unit to give read-in and read-out access control.





Net2 plus demonstration case



Sales code 541-427-US

More information http://paxton.info/1319

Included:

- 345-110-US P50 Proximity Reader
- 682-493-US Net2 Plus Controller
- 356-310-US E50 Request to Exit Button
- 514-326-US USB Enrollment Reader
- 930-010-US Net2 Pro software disk

Net2 Entry - Demo case



Sales code 337-350-US

More information http://paxton.info/1319

Included:

- 337-937-US VR Intercom Panel Surface Mount
- 337-727-US Net2 Plus with 4 port PoE Switch
- 337-286-US Entry Monitor
- 930-010-US Net2 Pro software disk

Net2 PaxLock US demo case



Sales code 921-999-US

More information http://paxton.info/2327

Included:

- 921-130-US Paxlock Schlage C Keyway Galaxy handle *Could also be Eclipse handle*
- 477-901-US Net2Air Ethernet Bridge; UL approved, PoE or 12V, Plastic Enclosure
- 930-010-US Net2 Pro software disk

Net2 nano demonstration case



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Sales code 541-372-US

More information http://paxton.info/1319

Included:

- 645-943-US Net2Nano Controller
- 345-110-US P50 Proximity Reader
- 477-268-US USB Bridge



SDK

The Net2 SDK (software development kit) was created to increase the flexibility of a Net2 access control system. The simplicity of Net2 means that it is user friendly, but occasionally our customers need a little more from their software. The SDK acts as an interface between the Net2 server and external databases. C# developers can create custom applications that integrate with the Net2 access control system, allowing customers to get exactly what they need from Net2.

For more information please contact our support team.



Industry Leading Technical Support

Call Paxton and you will be put straight through to our expert support team. Our friendly team is available from 2am-8pm EST Monday-Friday.

Call: 800-672-7298 or 864-751-3501 Email: SupportUS@paxton-access.com Skype: USApaxton.support



Sales Literature

We offer an extensive range of brochures and sales guides to support you every step of the way, from sales to specification.

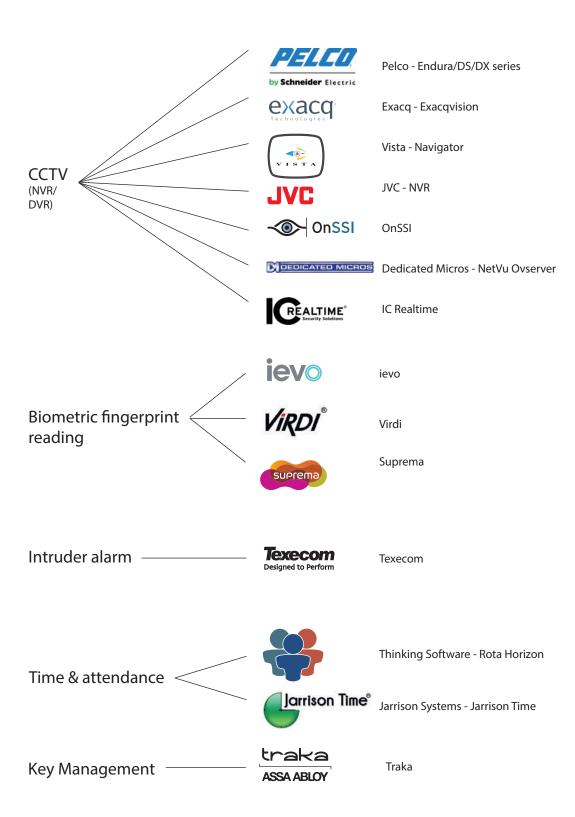
All documentation is available to download from our website at http://paxton.info/1549.





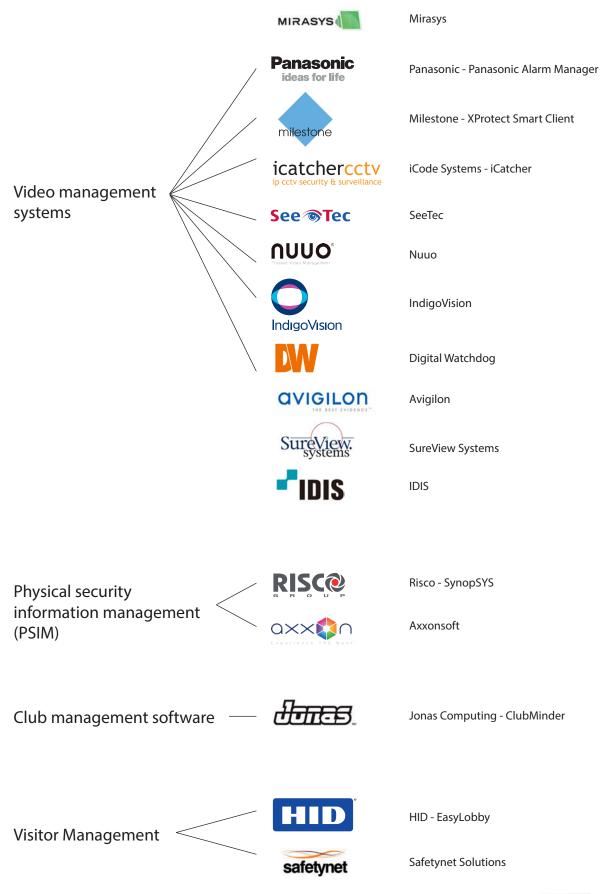
34 Net2 Integration

As market leaders in access control, Paxton wants to ensure that we are providing the most sophisticated solutions available. We do this by working with quality manufacturers to provide the best of breed solutions and making them available to you. You can see a map of our Net2 integration eco system below.





Please refer to support for compatible version information







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All information correct at the point of publication, but may be subject to change without notice.