Paxton

Net2 Plus

System specifcations

Maximum total users/tokens	50,000
PIN Length	4 - 8
Number of codes	50
Code length	4 - 8
Number of time zones	64
Number of access levels	250
Stored events	2500+
Data retention during a total power loss	30 days
Handsfree compatible	Yes - requires interface
Clock and data	Yes
26 bit Wiegand	Yes (Max 50 bits)
Custom Wiegand	Yes (Max 50 bits)
Silent operation	Yes
Door open time	1 sec - 5000 secs

Electrical

Operating Voltage	12VDC ±20% or 24VDC ±20%
Current consumption	200mA @ 12VDC
Relay switchable voltage	24V DC
Relay switchable current	4A max
Alarm output current	1A

Communication

TCP/IP	Yes
Wireless	No
RS485	Yes
Ethernet network speed	100Mbit/s auto MDIX
Ethernet bandwidth requirement	200 kbits/sec
DHCP support (fixed IP recommended)	Yes

Hardware

Reader ports per ACU	2
Readers/Keypads per ACU	4 - check current draw on individual readers
Total ACU reader port output current	500mA
3rd party reader support	Yes - if compatible
Reader cable type	Belden 9540 or General Cable equivalent C0745A
Network cable type	CAT5, Belden 8723 or General Cable equivalent C1352A

Features

Input for exit button	Yes
Input for door contact	Yes
Alarm/bell output	Yes

Environment

Operating temperature	0°C - +55°C / +32°F - +131°F
Moisture resistance	No - if used externally, it must be protected in a weatherproof housing
Vandal Resistance	Low
Plenum rated	Yes

Note: This is a 24V PSU with 12/24V output. The requirement for this power supply is that there is a 24V circuit on the site. Alternatively a transformer to step down from 110V to 24V will be required.

Net2 plus is a single door access control unit and is the most advanced control unit in the Paxton range. Employing the latest technology, it offers huge potential for future expansion and as security technology develops, Net2 plus can take full advantage. Unlike many systems of its type, Net2 plus is truly future-proof. 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.
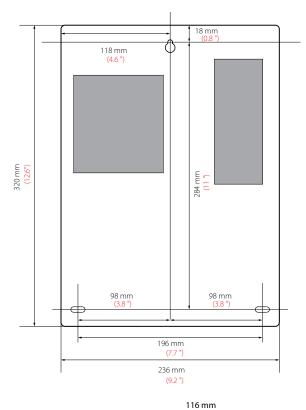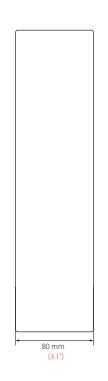
Other hardware features:

- Volt free control relay
- Input for PSU fail
- Input for tamper
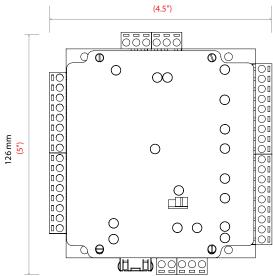- Integrated termination resistors
- Dedicated intruder alarm

Certifications

FCC Part 15	✓
UL 294	✓

Dimensions

Accessories and sales codes

Net2 Plus 1 door controller	682-493-US	Net2 Plus 1 door controller - Plastic housing	682-528-US
Net2 Plus in US Metal Enclosure with 12/24V PSU	682-610-US	Net2 Plus in US Metal Enclosure with 12V or 24V PSU with trigger disconnect	682-620-US
Net2 Plus in US Metal Enclosure with PoE+ PSU	682-630-US		

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