



AN1097 - Net2 plus - How does it work?

Overview

A Net2 plus can connect to the Net2 PC using either a standard TCP/IP Ethernet RJ45 cable or an RS485 data line. This greatly increases the number of installation options available to the installer.

Net2 plus can also be used as the TCP/IP interface for a daisy chain of other Net2 plus or Net2 classic units.

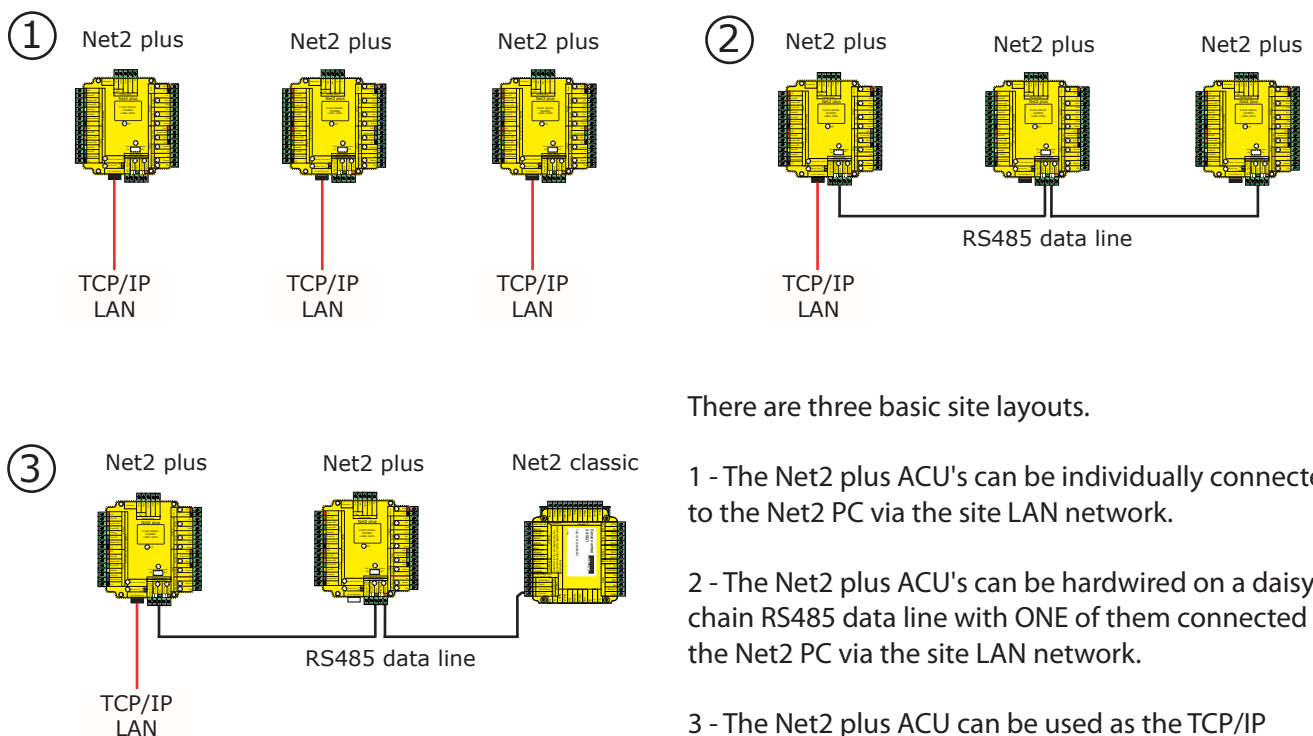
A TCP/IP connection must first be detected using the Net2 Server Configuration utility in the same manner as a TCP/485 converter. See also: [AN1006 - Installing remote sites using TCP/IP < http://paxton.info/51 >](http://paxton.info/51) When used on a data line, any required termination resistors are linked across the data pairs by a simple slide switch.

A dedicated Intruder Alarm connection is provided.

Net2 plus vs Net2 classic

Net2 plus	Net2 classic
RS485 Data line & TCP/IP	RS485 Data line ONLY
Two voltage free relays	Two voltage free relays
Two reader ports & One Intruder Alarm port and relay	Two reader ports & Two keypad ports
12V readers ONLY	5V and 12V readers
Each LED is next to the function concerned	All LED's are along the bottom edge
10/100 Mbps Ethernet socket & RS485 data line connector	RS485 data line connector ONLY
Switchable termination resistors with LED	Termination resistors must be hand wired
Both units can be installed on the same system	

Site layout



There are three basic site layouts.

1 - The Net2 plus ACU's can be individually connected to the Net2 PC via the site LAN network.

2 - The Net2 plus ACU's can be hardwired on a daisy chain RS485 data line with ONE of them connected to the Net2 PC via the site LAN network.

3 - The Net2 plus ACU can be used as the TCP/IP converter for a line of Net2 plus and Net2 classic ACU's.