

Paxton Net2 Integration datasheet



This API integration is compatible with Paxton Net2 version 6.02 onwards.

Paxton

Paxton design and manufacture market-leading security solutions for a range of premises. Around 25,000 buildings each year are secured globally with Paxton products. Paxton's global Head Office is based in Brighton, UK and they have colleagues in 12 countries and export to over 60 countries worldwide.

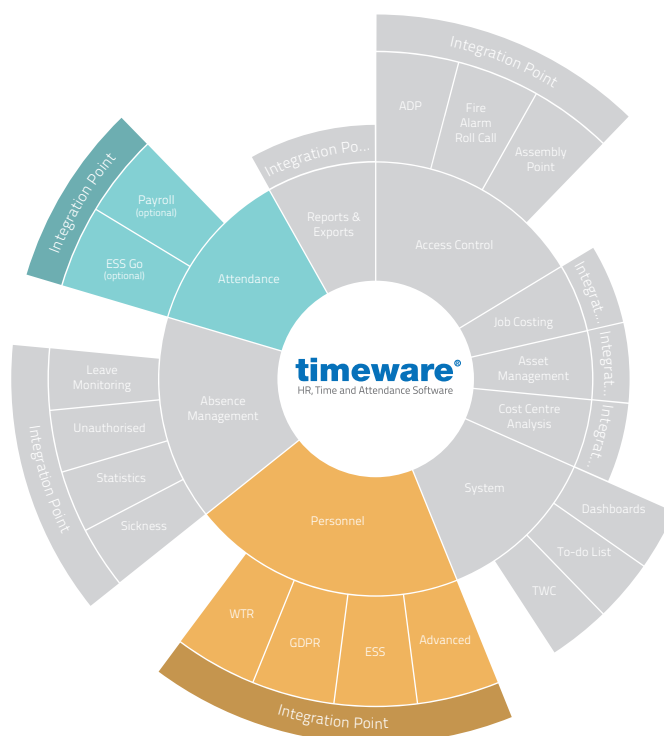
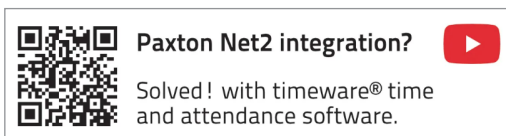


timeware®/Paxton Approved Integration overview

timeware® have created an API integration between Paxton Net2 and timeware® Small Business and timeware® Professional. This means that Paxton Net2 customers requiring a feature rich employee attendance solution can benefit from a software only integration that requires no additional attendance devices.

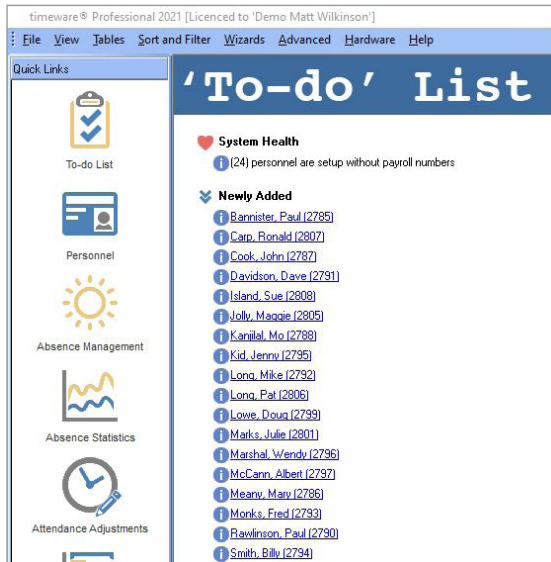
This integration eliminates 'duplicate entry' enabling personnel/users and their associated credentials created in one system to be passed directly to the other.

Eg: An administrator can specify which Net2 readers are classed as attendance points and bookings made at these points can be read by timeware® from the Net2 database and processed by timeware® as attendance bookings.

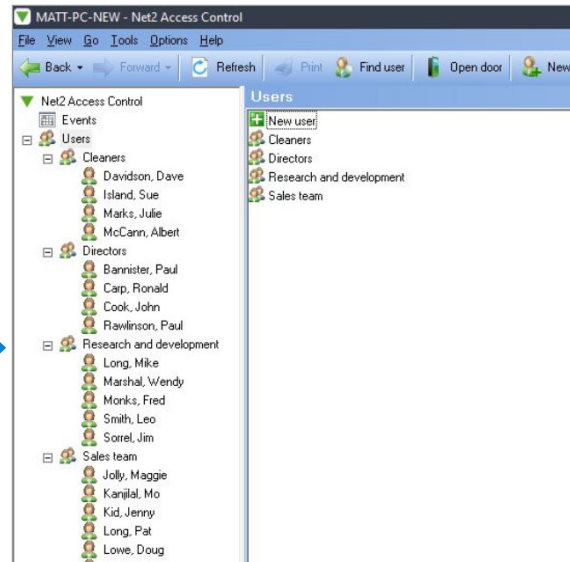


timeware®/Paxton integration functions

timeware® Personnel

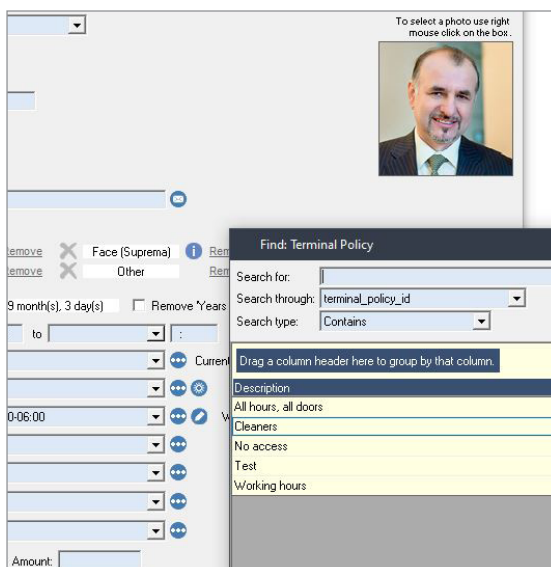


Paxton Net2 Users

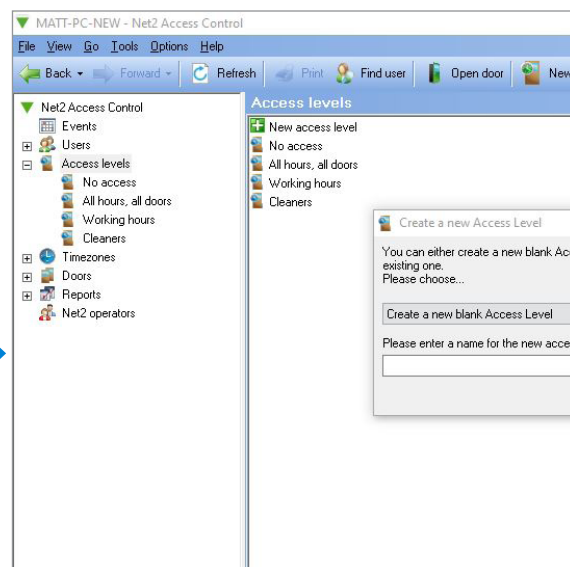


The API integration enables full control of the transfer direction between timeware® Personnel and Paxton Net2 Users.

timeware® Terminal Policy



Paxton Net2 Access Levels



The API integration enables full control of the transfer direction between timeware® Terminal policies and Paxton Net2 Access Levels.

timeware® Terminals

Terminal Configuration					
Set...	Connection Status	Group Δ	Terminal ID	Number Δ	Description
<input type="checkbox"/> (none) (4 items)					
<input type="checkbox"/>		Suspended	-6145	-6145	Meeting
<input type="checkbox"/>		Suspended	-6139	-6139	Building
<input type="checkbox"/>		Suspended	-6136	-6136	Barrier 2
<input type="checkbox"/>		Suspended	-6133	-6133	Barrier 1
<input type="checkbox"/> Paxton Access (3 items)					
<input type="checkbox"/>		Not tested in this session	Paxton Access	-6142	3
<input type="checkbox"/>		Not tested in this session	Paxton Access	-6130	4
<input type="checkbox"/>		Not tested in this session	Paxton Access	-6148	5
<input type="checkbox"/> Paxton Attendance (2 items)					
<input type="checkbox"/>		Not tested in this session	Paxton Attendance	-6153	1
<input type="checkbox"/>		Not tested in this session	Paxton Attendance	-6151	2

Paxton Net2 Doors

MATT-PC-NEW - Net2 Access Control			
File	View	Go	Tools Options Help
Back	Forward	Refresh	Print Find user Open door New
Net2 Access Control			
Events	Users	Access levels	Timezones
Back door	Barrier 1	Barrier 2	Building link
Main entrance	Meeting room	Office 1	Office 2
Stores			
Doors			
Name	ACU serial no.	Type	
Back door	00108000	Net2 plus	
Barrier 1	00108001	Net2 plus	
Barrier 2	00108002	Net2 plus	
Building link	00108003	Net2 plus	
Main entrance	00108004	Net2 plus	
Meeting room	00108005	Net2 plus	
Office 1	00108007	Net2 nano	
Office 2	00108008	Net2 nano	
Stores	00108006	Net2 plus	

The API integration enables control of the transfer from Paxton Net2 Doors to timeware® Terminals.

timeware® Bookings

Attendance Adjustment Bookings

Employee ID: 2807

First name: Ronald

Last name: Carp

Date selected: Wed 04 Aug 2021

Actuals for '14:00-22:00/00' ** Contribute **

Slot	Terminal	From Date	From Time	Terminal	To Date
Slot 1	Office 1	Wed 04/08/2021	11:27	-	
Add another set of bookings...					
Override daily schedule...				<input type="checkbox"/> Employee has manually entered	
GPS Tracking...				<input type="checkbox"/> Remove from adjustment	

Rates		Costs	
Slot	Amount	Slot	Amount
Override...		Override...	

Static Registers					
Slot	Reason	Authorisation	Authorised By	Amount	Override
x1.337	None	Awaiting decision		0.00	No...
x1.507	None	Awaiting decision		0.00	No...
x2.007	None	Awaiting decision		0.00	No...

Paxton Net2 Events

MATT-PC-NEW - Net2 Access Control			
File	View	Go	Tools Options Help
Back	Forward	Refresh	Print Find user Open door New
Net2 Access Control			
Events	Users	Access levels	Timezones
Back door	Barrier 1	Barrier 2	Building link
Main entrance	Meeting room	Office 1	Office 2
Stores			
Events			
Date/Time	User	Tok	
04/08/2021 11:27:52	Cook, John	1324	
04/08/2021 11:27:43			
04/08/2021 11:27:42			
04/08/2021 11:27:37	Carp, Ronald	5474	
04/08/2021 11:27:31	Smith, Leo	2874	
04/08/2021 11:27:28	Kanjilal, Mo	1235	
04/08/2021 11:27:27			
04/08/2021 11:27:17	Sorrel, Jim	8671	
04/08/2021 11:27:16	Stroud, Adam	8135	
04/08/2021 11:27:13	System engineer		
04/08/2021 11:27:07	Rawlinson, Paul	8414	
04/08/2021 11:26:59			
04/08/2021 11:26:58			
04/08/2021 11:26:55	System engineer		
04/08/2021 11:26:54	Meany, Mary	1234	
04/08/2021 11:26:49	Jolly, Maggie	2254	
04/08/2021 11:26:43	Welks, Latoya	8168	
04/08/2021 11:26:36	Island, Sue	7441	
04/08/2021 11:26:29	Davidson, Dave	8465	
04/08/2021 11:26:27	Yates, Kim	4135	
04/08/2021 11:26:22	Sorrel, Jim	8671	
04/08/2021 11:26:15	Long, Mike	1875	
04/08/2021 11:26:09			

The API integration enables control of the transfer from Paxton Net2 Events to timeware® Bookings.



Other functions included in the API integration are:

- Two way synchronisation between 'Department' in timeware® software and Paxton Net2 software.
- One way synchronisation between "Door Groups" in Paxton Net2 software and 'Terminal groups' in timeware® software.



Technical

Executed by the NMD3 Event handler service

Integration frequency determined during configuration.

Employee integration and events/device integration can operate independently if required.

Employees

Newly added personnel records are created in either timeware® or Net2 and are sent across to the secondary system. We require a "primary" system, it can't be a two-way sync. We also sync the corresponding fields linked to the personnel record below.

Net2 Field	timeware® Field
Name	First name + Last name
Access Levels	Terminal policy (temployee.terminal_policy_id)
Department	Grouping 1-10 (configurable in the script)

Devices, Access Levels & Door Groups:

Any new doors created in Net2 get brought into timeware® as new terminals. Based on the requirements, you will either set it as an access control device, an attendance device, or a fire alarm monitor. All devices are initially suspended, and you unsuspend the devices we are required to pull data from. Door groups are brought in from Net2 as Terminal Groups in timeware®. Access levels can either be set up in Net2 and brought into timeware® as Terminal Policies, or they can be setup in timeware and sent across to Net2.

Net2 Field	timeware® Field
Devices	Terminals (new tterminal record)
Access Levels	Terminal Policy (new tterminal_policy record)
Door Groups	Terminal Groups (new tterminal_group_ref record)

Bookings/Events:

Events from the Net2 database get brought into timeware® to be shown as access control or attendance data. This is decided by the device type of the corresponding tterminal record.

Net2 Field	timeware® Field
Events	twork records (could be access or attendance data based off corresponding tterminal record)

Annual licence

The Paxton integration is enabled by an annual licence.