

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.

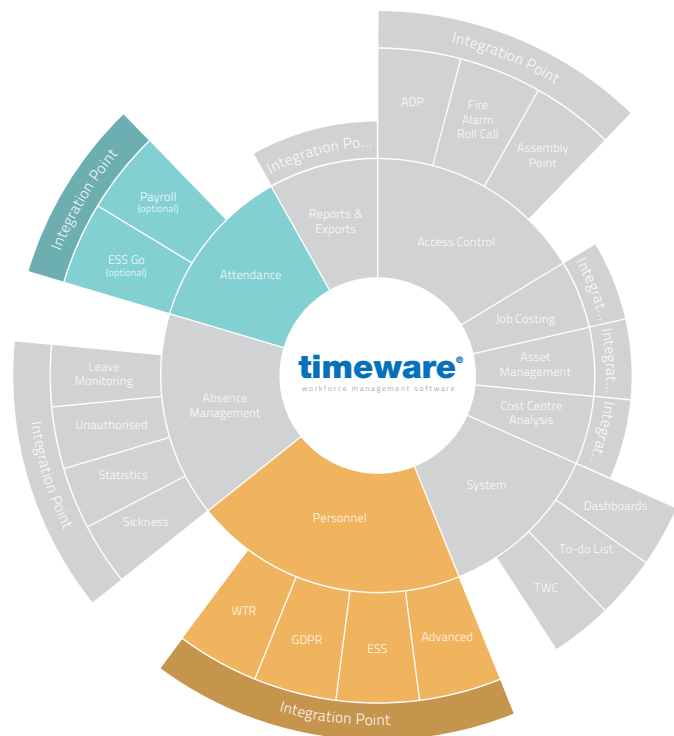


timeware® / Paxton Approved Integration overview

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.

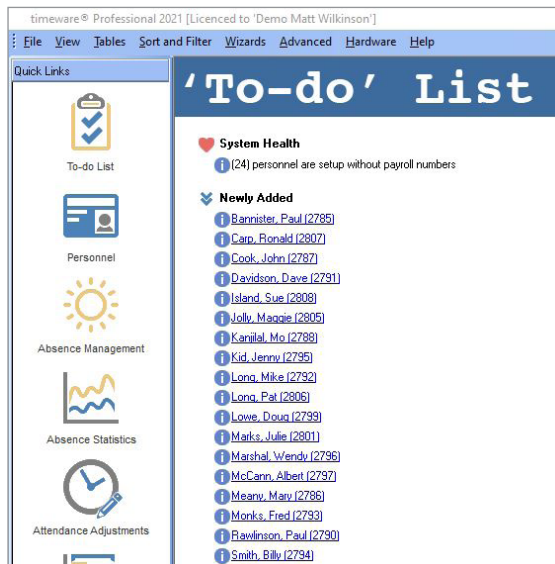
This integration eliminates ‘duplicate entry’ enabling personnel/users and their associated credentials created in one system to be passed directly to the other.

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.

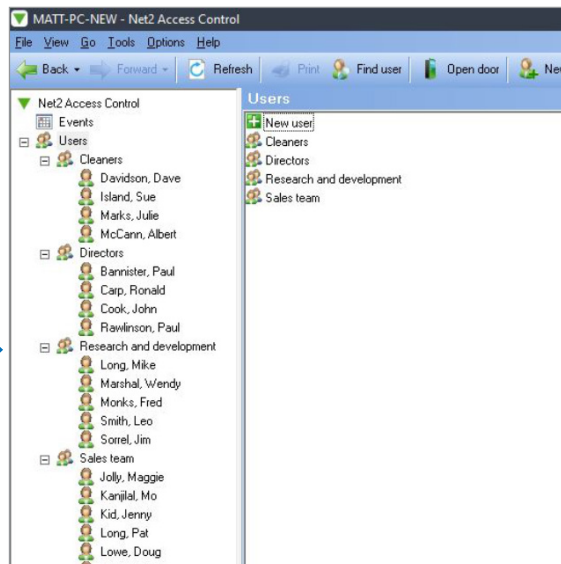


timeware®/Paxton integration functions

timeware® Personnel

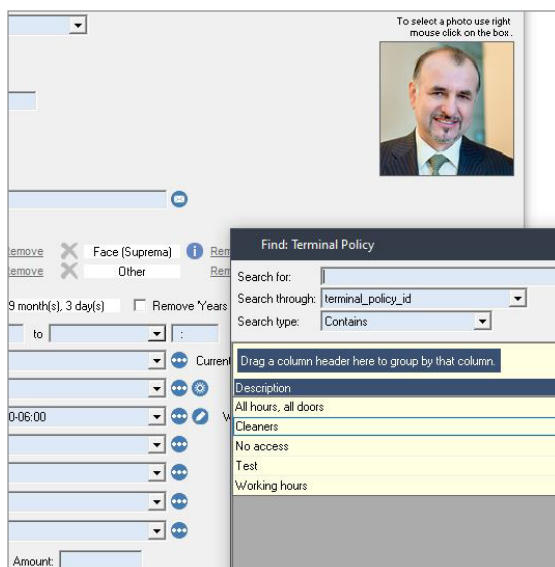


Paxton Net2 Users

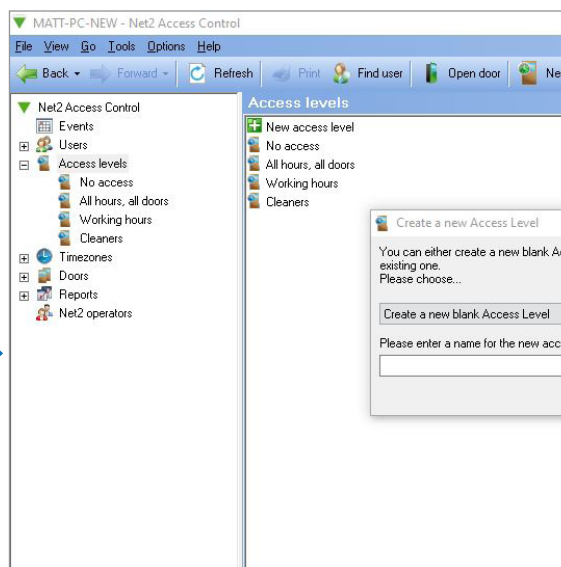


The API integration enables full control of the transfer direction between timeware® Personnel and Paxton Net2 Users.

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					
Group	Terminal ID	Number	Description	Connection Status	Group
Suspended (4 items)					
<input type="checkbox"/>	-6145	-6145	Meeting	Suspended	
<input type="checkbox"/>	-6139	-6139	Building	Suspended	
<input type="checkbox"/>	-6136	-6136	Barrier 2	Suspended	
<input type="checkbox"/>	-6133	-6133	Barrier 1	Suspended	
Paxton Access (3 items)					
<input type="checkbox"/>	-6142	3	Main entrance	Paxton Access	Not tested in this session
<input type="checkbox"/>	-6130	4	Back door	Paxton Access	Not tested in this session
<input type="checkbox"/>	-6148	5	Stores	Paxton Access	Not tested in this session
Paxton Attendance (2 items)					
<input type="checkbox"/>	-6153	1	Office 2	Paxton Attendance	Not tested in this session
<input type="checkbox"/>	-6151	2	Office 1	Paxton Attendance	Not tested in this session

Paxton Net2 Doors

Net2 Access Control			
Name	ACU serial no.	Type	Status
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 PaxL	✓
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					
Slot	Terminal	From Date	From Time	Terminal	To Date
Date selected: Wed 04 Aug 2021					
Actuals for '14:00-22:00/00' ** Contribute **					
Slot 1	Office 1	Wed 04/08/2021	11:27		
Rates					
Slot	Amount	Costs	Slot	Amount	
x1.33?	None	Awaiting decision		0.00	No...
x1.50?	None	Awaiting decision		0.00	No...
x2.00?	None	Awaiting decision		0.00	No...

Paxton Net2 Events

Net2 Access Control			
Date/time	User	Token	Status
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.



workforce management software

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.