Quick Start Guide

Touch Screen Display Panel/ Tridium

*Specification may differ to that listed above

Contents

1. Welcome

Thank you for choosing Atoma products. Please follow the steps outlined in this quick start guide to begin using the equipment.

The purpose of this quick start guide is to setup the Touch Screen Display Panel which has been optimised to work with Tridium. Since the Touch Screen is in essence a fully licenced Microsoft based panel mounted PC, it will therefore need to be set up to function as a Kiosk interface.

This guide takes you through the process of setting up the Touch Screen to function as an interface which will allow the user to access the Tridium system through a Web Browser.

Retain these instructions as you may need to refer to them in the future.

2. Before you begin

First check you have everything that is shown below:

- ✓ Touch Screen Display Panel
- ✓ Power Adapter
- ✓ Motherboard and Touch Driver (already installed)
- ✓ Wi-Fi Antenna
- ✓ Panel mounting fixings
- ✓ Stylus Pen

Is anything missing from the above list? If so then please contact the supplier of the equipment as soon as possible.

3. Safe design and installation

As with all PCs and electronic equipment, the Touch Screen Display Panel does emit heat when in use. It is the responsibility of the installer to take this into consideration when designing the enclosure/ environment in which the Touch Screen Display Panel is to be installed.

4. Touch Screen Panel Overview

Please take the time to familiarize yourself with the Touch Screen:

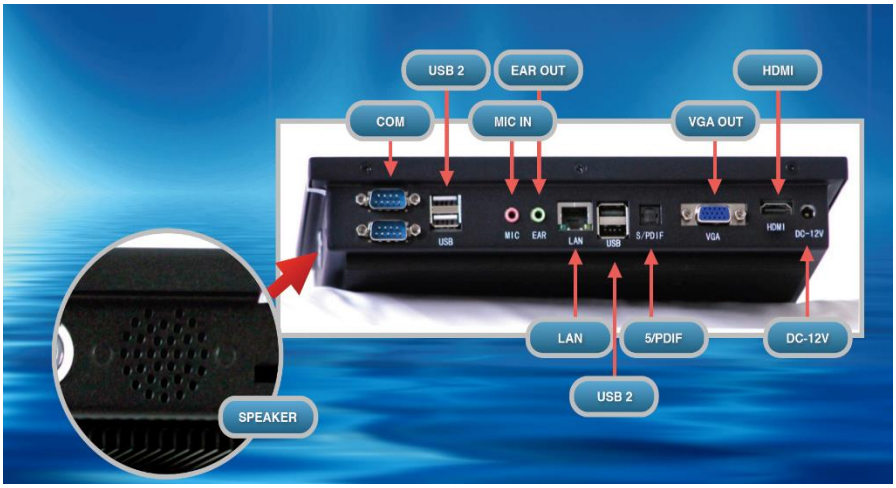
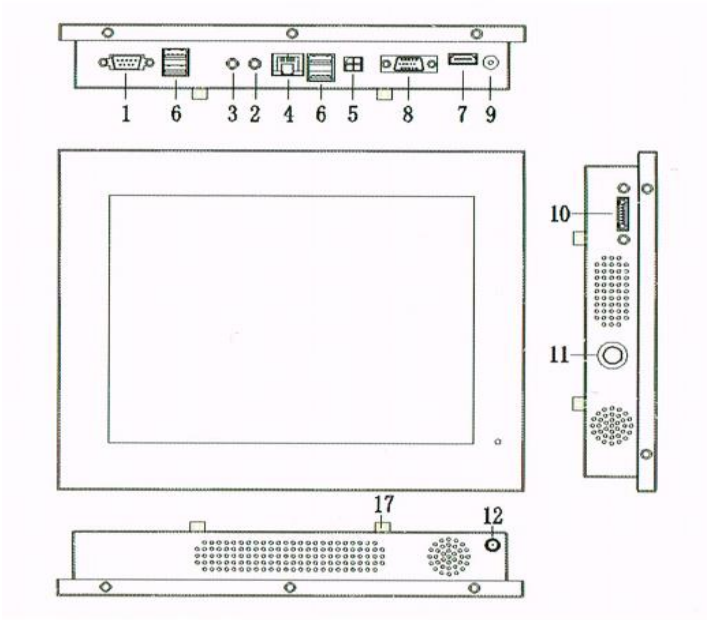


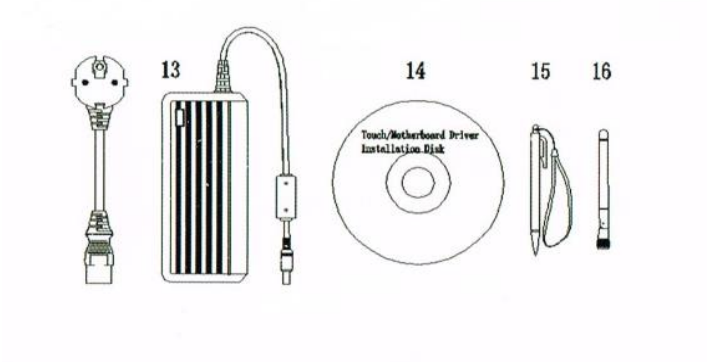
Figure 1

*Image and product above subject to change



1. Com Port
2. Ear- Out
3. Mic In
4. RJ45 10/100/1000Mbit
5. S-PDIF
6. USB 2.0
7. HDMI- Out
8. VGA- Out
9. 12 Vdc Power
10. ESATA
11. Power on/ off
12. W- Lan Connector

Figure 2



*Above arrangement subject to change

13. 110- 240V ac 50/ 60Hz Power Supply
14. Driver CD for touch screen and motherboard
15: Stylus Pen
16: Wireless Antenna

Figure 3

*Above parts and components subject to change

5. Getting started

Step One

Switch on the Touch Screen Display Panel via the Power Button/ Switch. The Display Panel will then boot and following a short period a screen will be displayed as shown in figure 4.

Figure 4

Launch the Keyboard from the middle icon located at the top of the screen. Once running the Keyboard will serve as a means of entering data into the system as shown in figure 5.

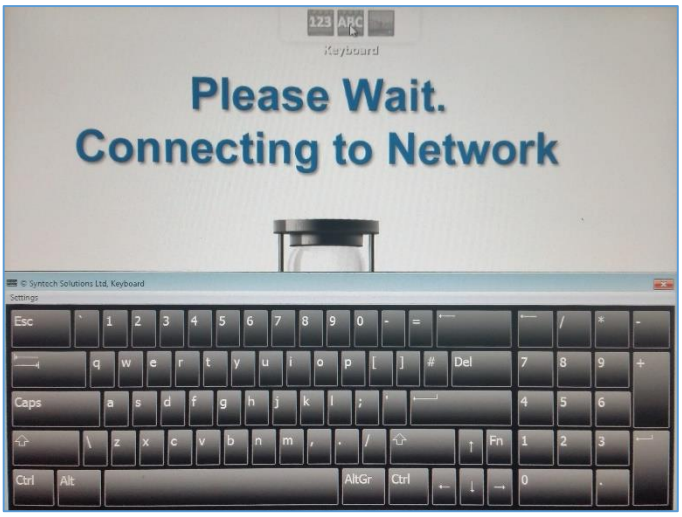


Figure 5

Step Two

The default keyboard which is launched from the previous step has restricted functions. The intention of such restrictions is to protect the system settings from authorized users.
To enter the Enginnering Mode perform the following actions:

- Press the ‘Ctrl’ button and whilst Ctrl is highlighted select the letter ‘q’
  - *This disables the protective lock and quits a program script*

- Press the ‘Fn’ button to display the function keys on the keyboard. Once displayed press the ‘Alt’ button and whilst Alt is highlighted select F4. In some cases, this may need to be repeated twice
  - *This shuts down the Web Browser to enable access to Windows functions and settings*

Once the above two steps have been completed, the desktop screen will be visible. However, the default (restricted) keyboard will still be running. Simply close the keyboard down and follow the steps below:

- Press and hold the Stylus Pen into the display for a minimum of two seconds until a menu is launched.
  - *This serves as a 'right click' function in relation to a standard mouse set-up*

- From the menu select the 'Display Keyboard' option.
  - *This enables the standard Microsoft Windows Keyboard*

- Once the Windows Keyboard is displayed simply click on the Windows button to launch settings.
  - *This gives the user the ability to change settings as in as described in the following steps*

Step Three

Once the previous two steps have been completed, the system settings can then be adjusted to enable the connection of the Touch Screen Display Panel to Tridium system through TCP/IP as described below.

Important Note:
Before connecting via to a system via TCP/IP make sure you have a valid IP address which does not clash with another on the same network. If in doubt always contact your network administrator.

Using the standard Microsoft Keyboard which was launched in step two, select Control Panel as shown in figure 6.

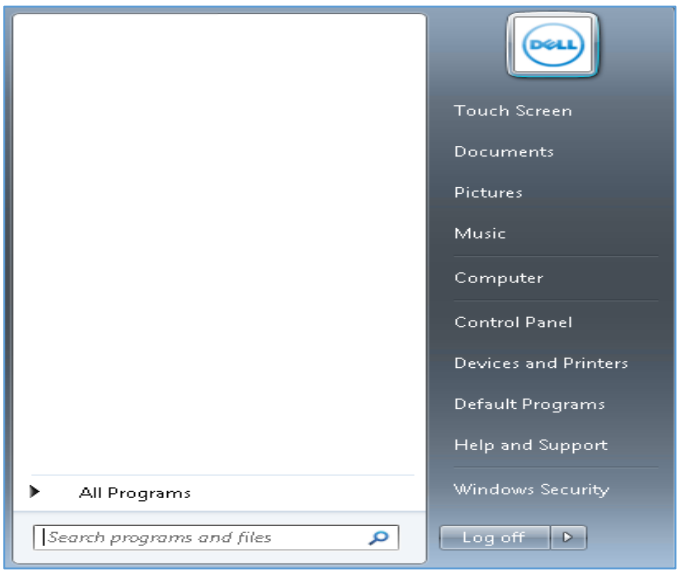


Figure 6

Upon entering the Control Panel, a menu will be presented. Click on the Network and Sharing Icon as shown in figure 7.

. Network and Sharing Center

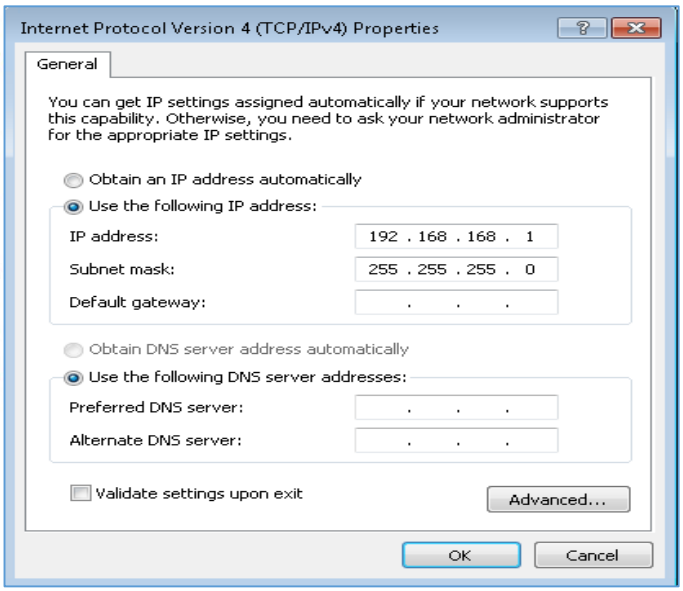


Figure 7

Once the Network and Sharing option has been selected a screen will be presented as shown in figure 8.

On the Network and Sharing menu as above, select the 'change adapter settings' option which will then display the screen as shown in figure 9.

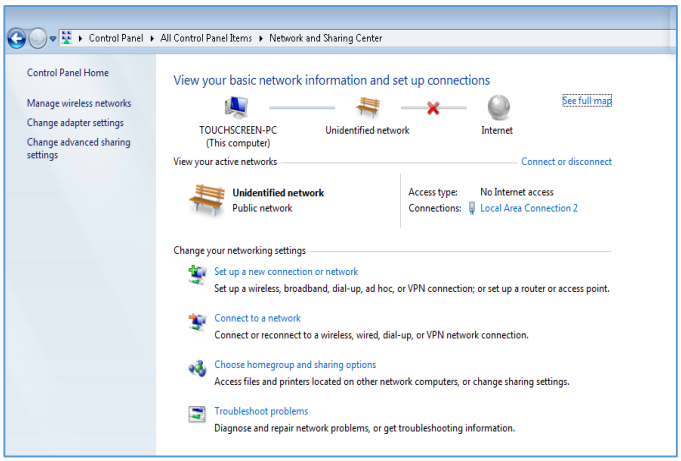


Figure 8

Select Local Area Connection which will then display the screen as shown in figure 10.

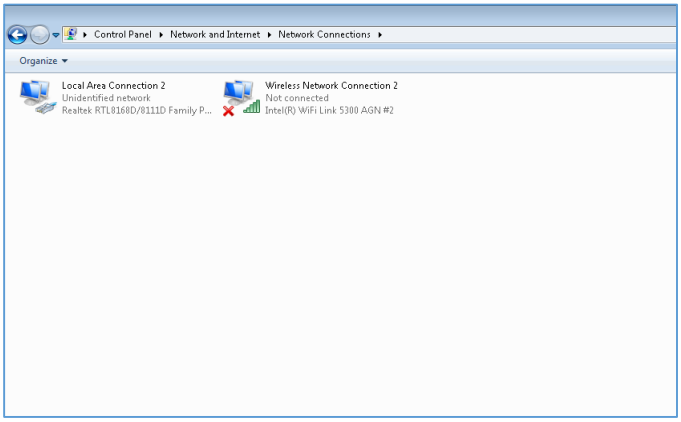


Figure 9

A screen will then be displayed from which Internet 'Protocol Version 4 TCP/IPv4' needs to be selected as shown in figure 10.

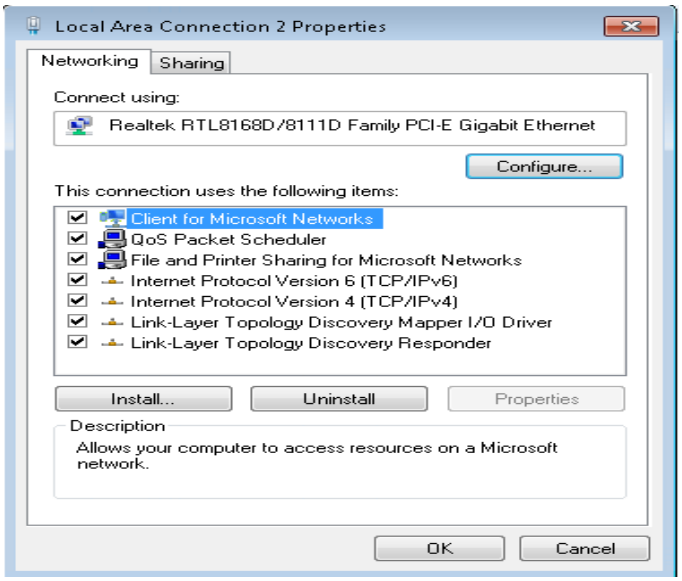


Figure 10

As mentioned previously, before connecting via to a system via TCP/IP make sure you have a valid IP address which does not clash with another on the same network. If in doubt always contact your network administrator.

From the Internet Protocol Version 4 (Tcp/IPv4) Properties menu, enter the designated IP address for the Touch Screen Display Panel. This must not conflict with any IP address on the system, however, must be on the same IP range and subnet mask of the system you are connecting with.

In the example shown in figure 11 the system has three devices on a private network which is correctly configured. Notice that the ending IP address number is different to other devises on the same range. Of equal importance, the subnet address needs to be identical and common amongst all devices:

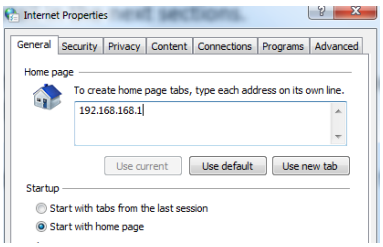
Device	IP Address	Subnet mask
Touch Screen Display Panel	192.168.168.3	255.255.255.0
JACE 1	192.168.168.1	255.255.255.0
JACE 2	192.168.168.2	255.255.255.0

Figure 11

Once the TCP/IP settings have been changed to a designated address just click 'ok' and close the windows down to save the new details.

The Touch Screen Display Panel is now ready to be used in Kiosk mode which is discussed in more detail in the next sections.

The next step will then be to set the home page within internet explorer to the IP address of the JACE, in this case JACE 1.

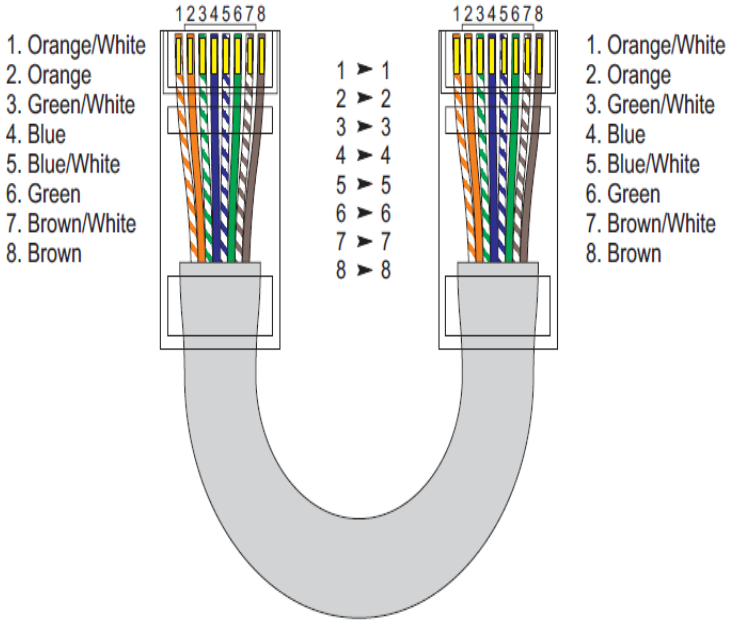


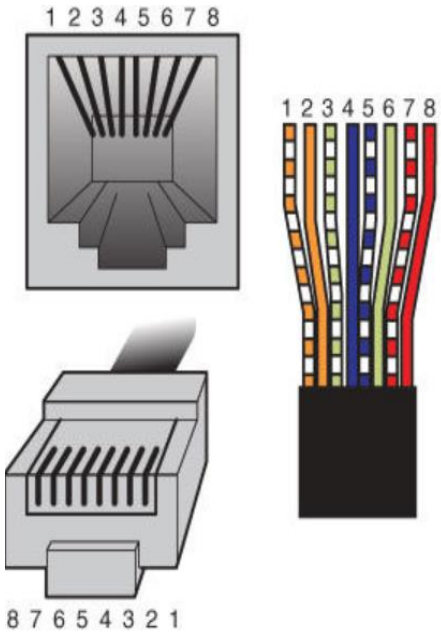
The web browser will then be set up to go to the login page within JACE when starting up.

Step Four

Once steps One-Three have been completed, the Touch Screen can then be connected to the system. This is done through the RJ45 Connection labeled ‘LAN’ on the outer casing.

It is recommended that Category 5e (enhanced) cabling is used to connect the systems together with a maximum segment length of no more than 100 Meters. Larger distances may require a repeater or switch for the system to function.





Pin	Color	Pair
1	Orange/White	2
2	Orange	2
3	Green/White	3
4	Blue	1
5	Blue/White	1
6	Green	3
7	Brown/White	4
8	Brown	4

Step Five

To enter the Kiosk mode and having completed all previous steps to this point, simply restart the Touch Screen by pressing the Power Button.

Once the Touch Screen has restarted, all settings will be retained. If any settings need to be altered, Steps One to Three will have to be repeated and then the Touch Screen will have to be reset once again.

Important note:
In order for the Touch Screen to function and be displayed in a full screen mode the Tridium system must be configured in 'Hand-Held Mode'.

This is done within the Tridium system when first configuring settings. For more details on the Hand-Held Mode within a Tridium system please refer to the relevant Tridium literature.

6. Touch Screen customization (optional)

It is possible to customize the Touch Screen to display another image other than the standard Egg Timer such as a company logo or corporate branding/ advertising.

Engineering Mode needs to be enabled to change the image which once again is done through completing Steps One – Two.

When the Engineering Mode is enabled open the C Drive then open the 'Tridium Startup' folder:

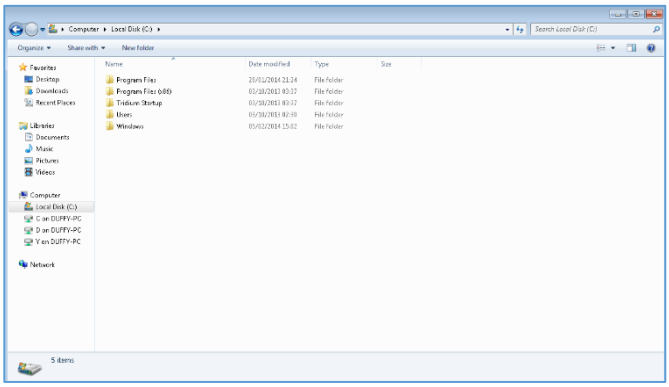


Figure 12

Within the html folder is a file named ‘please-wait.png’ which is the image of the standard egg timer waiting screen which comes with the Touch Screen.

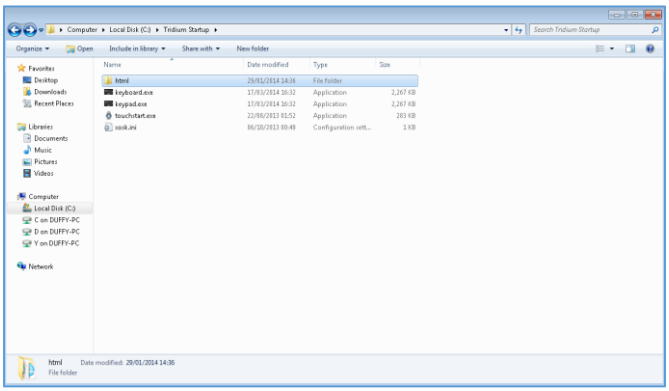


Figure 13

Change the image to one of your choice, firstly it is recommend that the standard image is copied to another folder for safe keeping just in case it is needed again in the future.

Simply replace the image ‘please-wait.png’ file with an image file of your choice. However, the name and file type of the image which is to be used must remain exactly the same i.e. ‘please-wait.png’ must remain in the html folder.

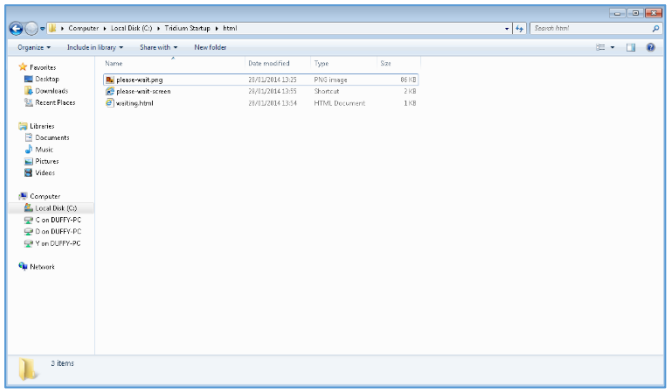


Figure 14

7. Recycling

At the end of their useful life the packaging product, battery and electronic components should be disposed of by a suitable recycling centre. Local laws, directives and legislation unique to the region in which the product is installed should be observed and adhered to in all circumstances.

- Do not dispose of with normal household waste.
- Do not burn.