



PPC Network Requirements

This document will describe the PPC network requirements

12/5/2021

Created and Edited by Sharon Levi | IT Engineer

Proprietary and Confidential (c) 2018 Twine Solutions Limited

7 Hatnufa St. (Kodak Building) Petach Tiqva, 4951025, Israel | P.O.Box 3147 | Tel: +972-35589505



Contents

General description.....	1
Network requirements, protocols and ports.....	3



General description

This article will generally describe Twine's TS-1800 software

Twine's systems operate like most other digital production tools (e.g. HP, Epson, Canon, Mimaki printers, etc.), where the in-house software and application are embedded on an existing OS.

The Twine application which operates the TS-1800, runs on Microsoft Windows 10 Enterprise LTSB – a version of Windows 10 OS that uses minimal services to allow specialized systems, such as the TS-1800, to operate properly and ensure these systems be kept as stable as possible.

The TS-1800 sends and receives data via network only from Twine's secure servers (e.g. database update, application update, secured remote support etc). Using Windows 10 LTSB OS, Twine's PPC application and limited network activity, enables to screen the system updates and preventing the user to interact with unwanted third-party software or domains. Moreover, the TS-1800 app is not linked to any domain, meaning that third-party software or domains cannot connect to the system via the OS.

In order to install and service the TS-1800 it must be connected to the Twine servers and therefore the screening is continuous. Detailed network requirements are described in the next article of this document.



PPC network requirements

This article will describe the PPC network requirements

PPC external network is blocked for secured purposes.

The PPC application uses a few protocols to connect to the company servers, database updates, remote customer support for technical issues and PPC to FSE internal connection.

The following table shows the PPC network requirements:

Port	Protocol	Description	Ingress	Egress	Open by default yes/no
80	HTTP	Connecting Protocol	close	open	yes
443	HTTPS	Security protocol	close	open	yes
1433, 1434	SQL	Database Updates	close	open	yes
25750, 25780	Team Viewer	Team Viewer client connection	close	open	yes
1984	Bridge Connection	PPC to FSE internal connection	close	close	yes
8888	Bridge Connection	PPC to FSE internal connection	close	close	yes
5349 , 3478	Stuns	Uses for TLS Encryption	close	open	yes

Ingress = Incoming connection

Egress = Outgoing connection