BIXOLON

Software Manual

Web Print SDK

macOS

Ver. 1.06

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Caution

Some semiconductor devices are easily damaged by static electricity. You should turn the printer “OFF”, before you connect or remove the cables on the rear side, in order to guard the printer against the static electricity. If the printer is damaged by the static electricity, you should turn the printer “OFF”.

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1. About This Manual

This manual provides instructions on operating BIXOLON printers (Label, POS, and Mobile) using the Web Print SDK.
Those who are using the Web Print SDK are recommended to carefully read the instructions in this manual prior to use.

2. Web Print SDK Overview

2-1 Abstract

• The Web Print SDK enables to easily control of BIXOLON printer more acccessible on web application.

2-2 Supported Operating System Environments

macOS 10.15 Catalina or above

2-3 Supported Interfaces

Bluetooth
Wi-Fi
Ethernet
USB

2-4 Supported Printer Devices

2-4-1 POS Printer

SRP-S300 / SRP-S300II / SRP-S320
SRP-S200
SRP-Q300 / SRP-Q302 / SRP-Q300II
SRP-380 / SRP-382 / SRP-383
SRP-380plus / SRP-382plus
SRP-F310II / SRP-F312II / SRP-F313II
SRP-350plusIII / SRP-352plusIII
SRP-350plusV / SRP-352plusV
SRP-350V / SRP-352V
SRP-275III
SRP-S3000
SRP-330II / SRP-332II
SRP-330III / SRP-332III
SRP-Q200
SRP-QE300/QE302
STP-103III
SRP-B300
SRP-B300II

2-4-2 Label Printer

SLP-TX400 / SLP-TX403
SLP-TX420 / SLP-TX423
SLP-TX220 / SLP-TX223
SLP-DX420 / SLP-DX423
SLP-DX220 / SLP-DX223
SLP-DL410 / SLP-DL413
XT5-40(RFID) / XT5-43(RFID) / XT5-46(RFID)
XT6-60N / XT6-63N
XL5-40CT / XL5-43CT
XD5-40d / XD5-43d
XD5-40IId / XD5-43IId
XD5-40t(RFID) / XD5-43t(RFID)
XD5-40IIt(RFID) / XD5-43IIt(RFID)
BT3-40/ BT-43
BT5-40(RFID) / BT5-43(RFID) / BT5-46(RFID)
BD5-40d/ BD5-43d
BD5-40t(RFID)/ BD5-43t(RFID)
SRP-S3000_LABEL
XQ-840 / XQ-843 / XQ-840II / XQ-843II
XD3-40d / XD3-40t
XT3-40 / XT3-43SRP-E770III
XC3-40d
XC5-40d / XC5-43d

2-4-3 Mobile Receipt Printer

SPP-R200III
SPP-R310
SPP-R410
SPP-R210
SPP-R220
SPP-R230
SPP-C200
SPP-C300

2-4-4 Mobile Label Printer

SPP-L3000
XM5-30(RFID)
XM7-40(RFID)
XM7-20
XM7-30
SPP-L310
SPP-L410

2-4-5 B-gate

BGT-100P / BGT-102P
SRP-Q300H / SRP-Q302H
SRP-S300H / SRP-S320H
SRP-F310IIH / SRP-F312IIH

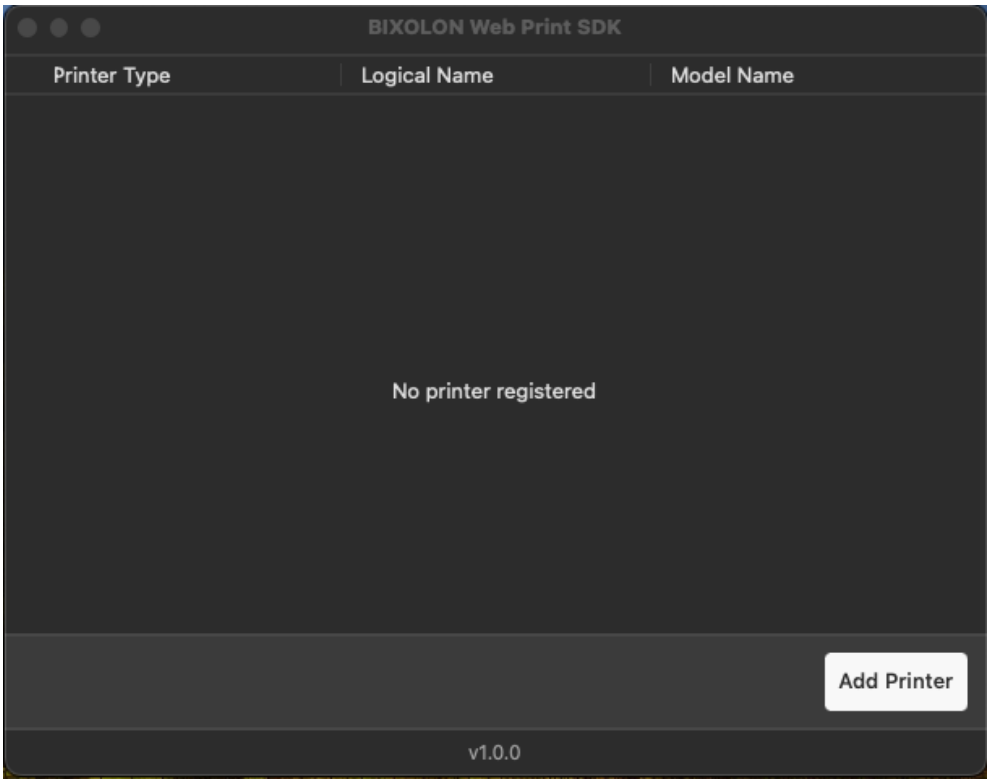
3. Key Features

3-1 Installation and Uninstallation of Web Print SDK

3-1-1 Installation

1) Execute WebPrintSDK_vx.x.x.pkg in WebPrintSDK_vx.x.x.dmg file and follow the instruction.

2) Once the installation completes, main view of Web Print SDK will be displayed as below.



3-1-2 Uninstallation

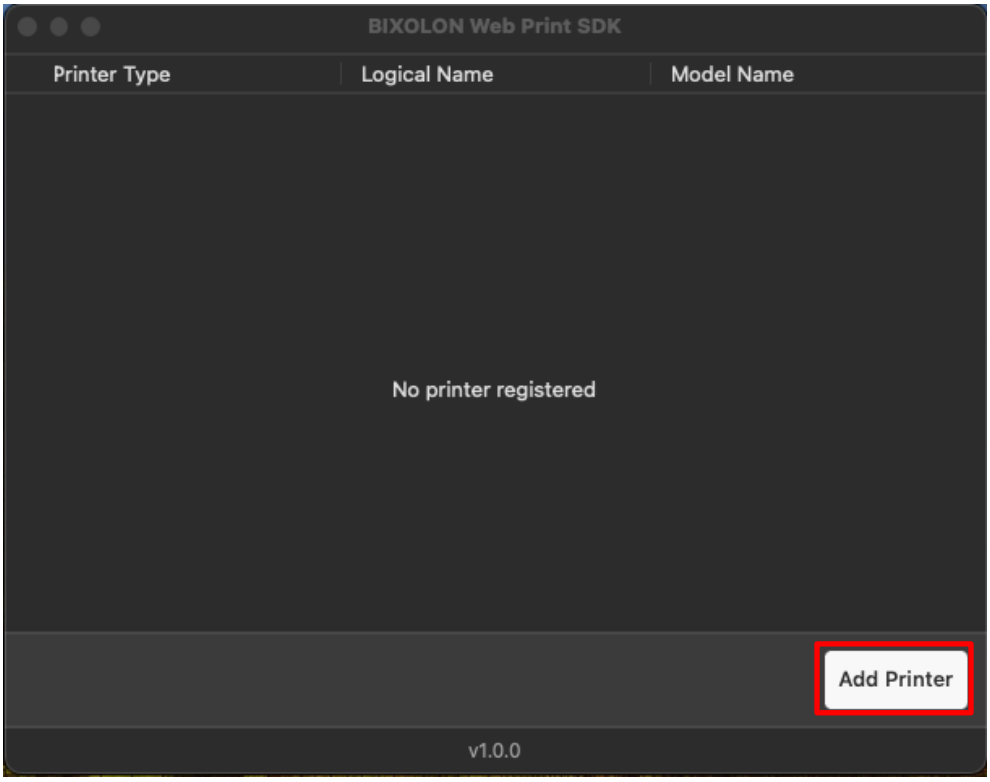
Execute WebPrintSDK_Uninstaller.app in WebPrintSDK_vx.x.x.dmg file.

3-2 Printer Settings

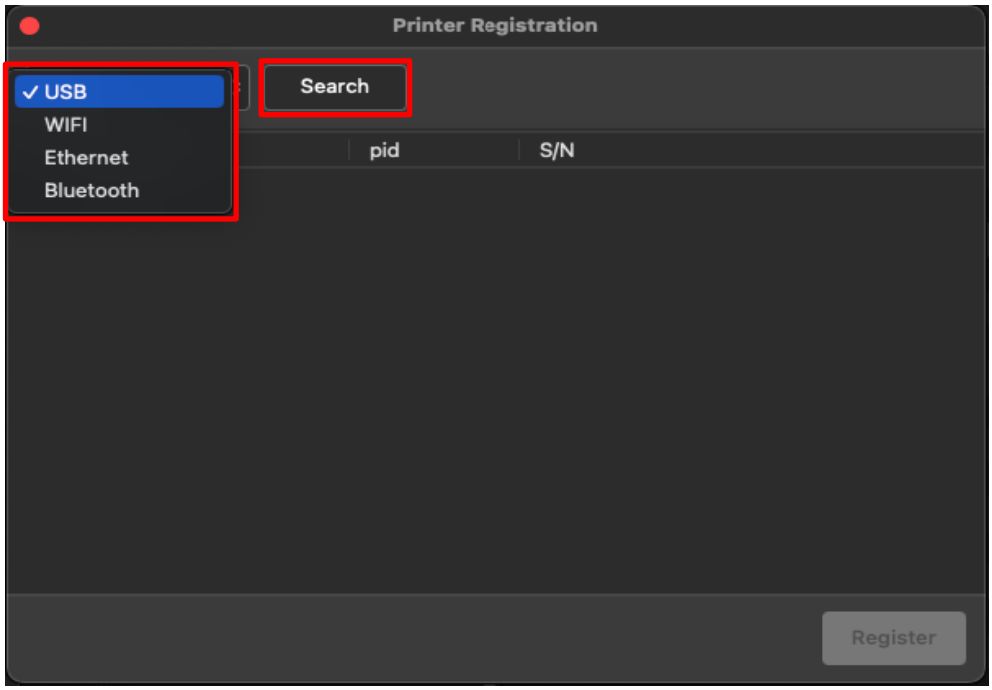
• Printers are to be registered into Web Print SDK for any printing operations. Following instructions illustrates registration, amendment of logical name, and deletion of printers within Web Print SDK.

3-2-1 Registering Printer

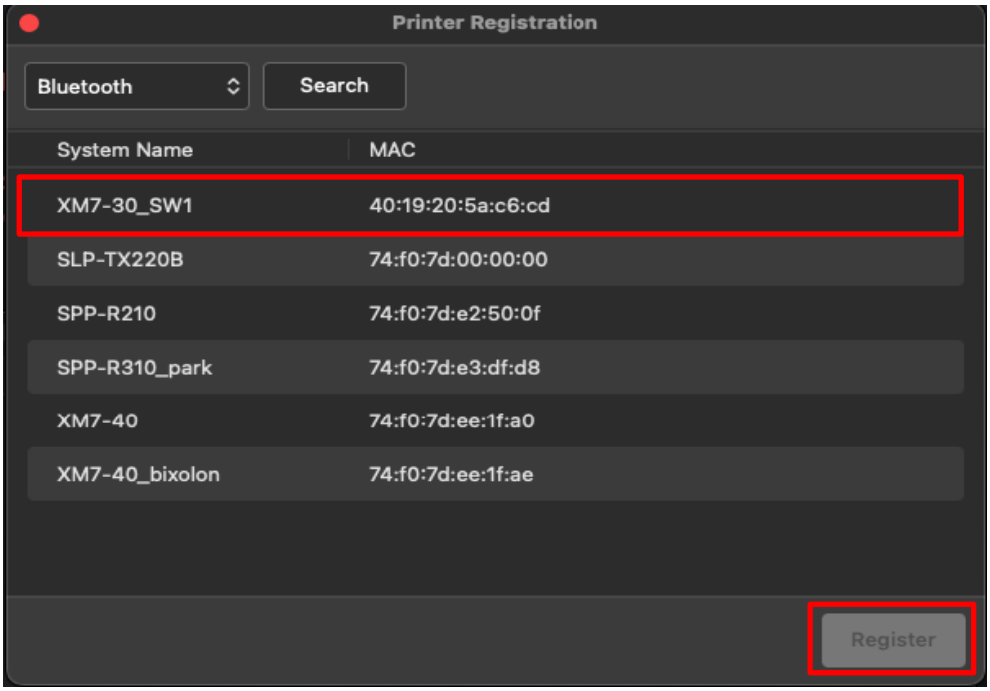
1) Click the 'Add Printer' button on the main screen, which will bring up the printer registration view.



2) Select printer connection interface and click the ‘Search’ button

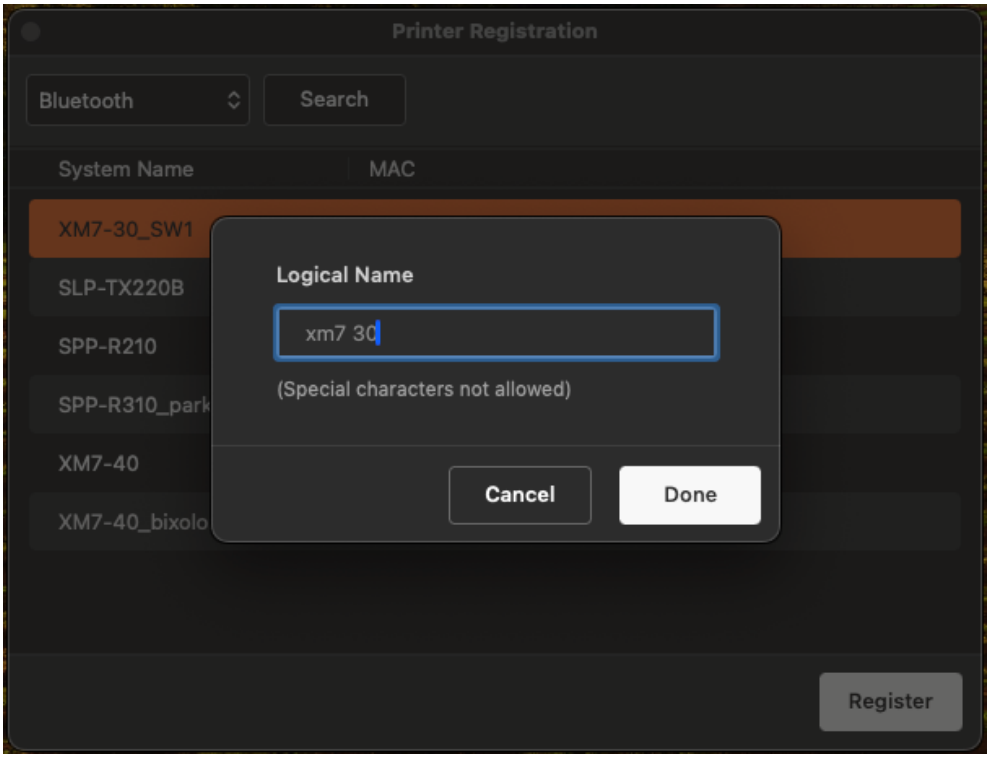


3) Select a printer and click ‘Register’ button from the printer list.

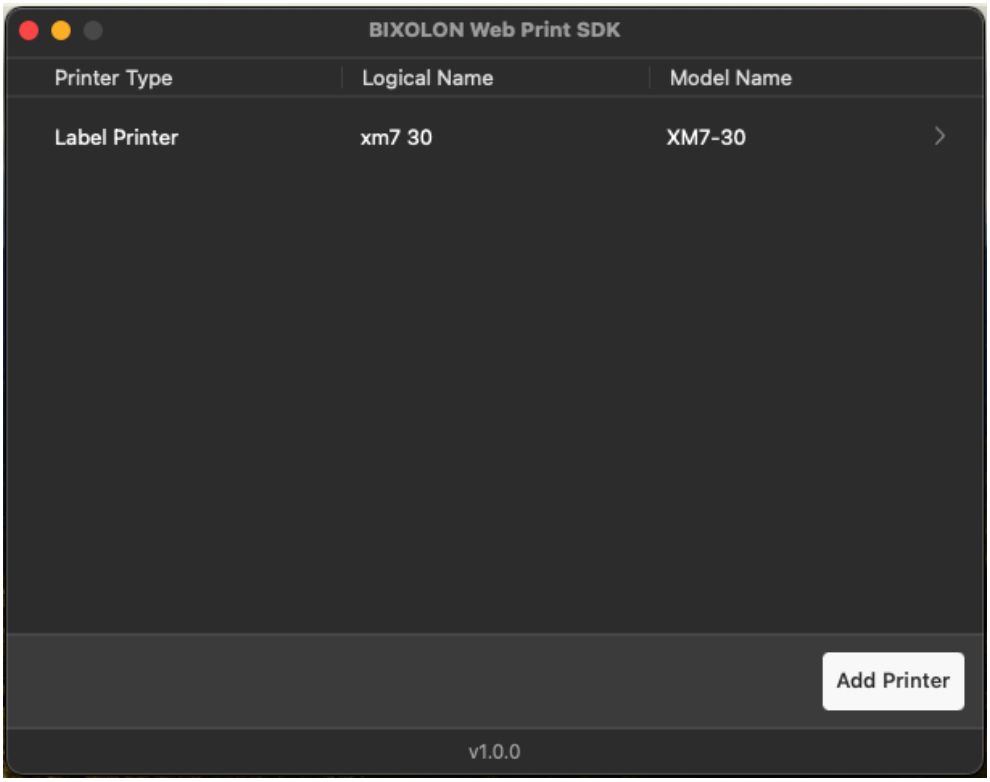


For printer registration via Bluetooth interface, the printer must first be assigned into PC’s Bluetooth settings.

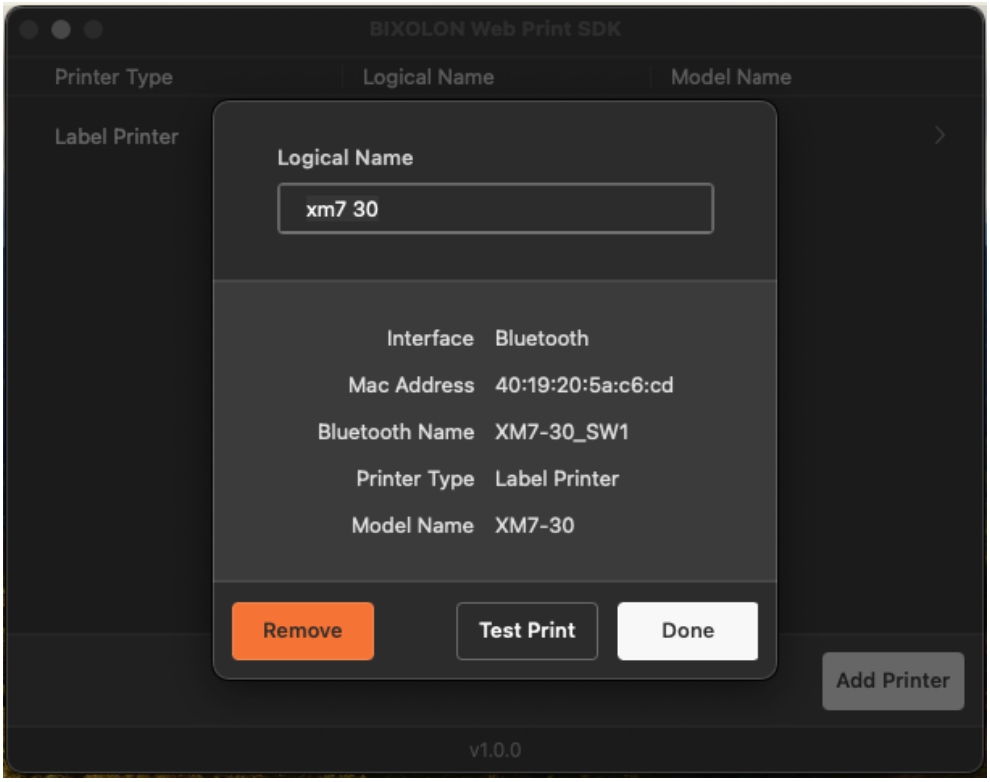
4) Enter logical name
(name of printer used in web application for printing request)
and click ‘Done’ button.



5) Registered printers are shown on the main view.



6) By clicking on the printer in the main view, its detail information can be observed as below.



3-2-2 Deleting Printer

Registered printer can be deleted by clicking on ‘Remove’ button.

3-2-3 Editing Logical name of Printer

Edit the Logical name text field and click ‘Done’ button to save changes.

3-2-4 Print Testing

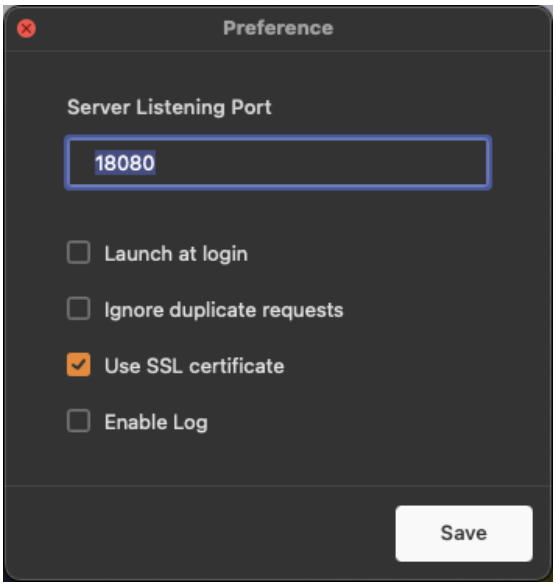
Printing test can be conducted by clicking on ‘Test Print’ button

If the printing test fails, ensure the printer is in normal state.

3-3 Web Print SDK Preference

• Preference can be opened by clicking ‘Preference’ tab on WebPrint SDK’s menu bar.





3-3-1 Listening port

Listening port is the network connection between Web Print SDK and Web application is made. Default value is set to 18080.

3-3-2 Launch at login

Web Print SDK can automatically be launched as the user logs in. The default value is set to false.

3-3-3 Duplicate request

If a web browser requests duplicated data, it can be checked by the Web Print SDK. The default value of ignoring duplicated request is set to false.

3-3-4 SSL Certificate

Uses Secure Socket Layer. Default value is set to true.

When use certificate is enabled, HTTPS / WSS protocols must be used.
When use certificate is disabled, HTTP / WS protocols must be used.

3-3-5 Log

Log of the Web Print SDK. The default setting is ‘disabled’.

Log file directory:
~/Library/Containers/com.MacOSWebPrintSDK/Data/Documents/Logger

4. Appendix

4-1 Web Print SDK Precautions

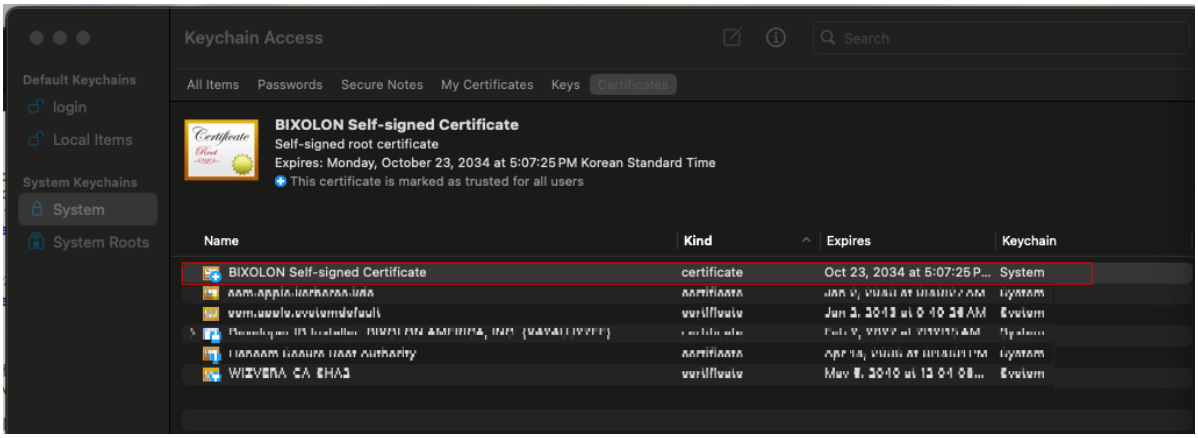
4-1-1 Listening port collision

1) The listening port number of the Web Print SDK should be exclusively used by the SDK itself; otherwise, it will not be able to communicate with the web application.

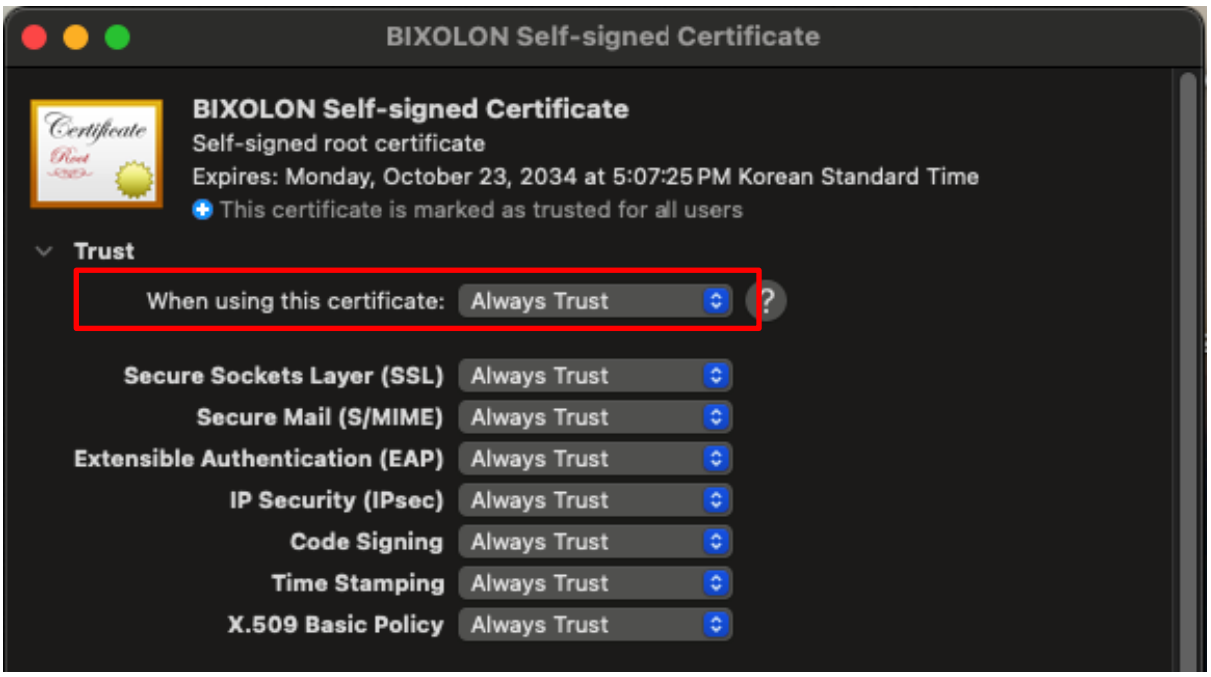
2) If unavoidable, change listening port of Web Print SDK, or shut down the process that uses same port as Web Print SDK.

4-1-2 Trust SSL Certificate

'BIXOLON Self-signed Certificate' SSL certificate must be trusted for HTTPS/WWS based network communications.



SSL Certificate path: KeyChain Access → System → Certificates


BIXOLON Self-signed Certificate
BIXOLON Self-signed Certificate
Self-signed root certificate
Expires: Monday, October 23, 2034 at 5:07:25 PM Korean Standard Time
This certificate is marked as trusted for all users
Trust
When using this certificate: Always Trust
Secure Sockets Layer (SSL) Always Trust
Secure Mail (S/MIME) Always Trust
Extensible Authentication (EAP) Always Trust
IP Security (IPsec) Always Trust
Code Signing Always Trust
Time Stamping Always Trust
X.509 Basic Policy Always Trust

Revision history

Ver.	Date	Description
1.00	11-11-2024	New
1.01	26-12-2024	SRP-380II, SRP-382II model name updated to SRP-380plus, SRP-382plus respectively
1.02	21-04-2025	Supported models updated. - XM5-30(RFID) - BT3-40/ BT-43 - BT5-40(RFID) / BT5-43(RFID) / BT5-46(RFID) - BD5-40d/ BD5-43d - BD5-40t(RFID)/ BD5-43t(RFID)
1.03	28-05-2025	Supported model updated. - SRP-B300II
1.04	08-09-2025	Supported model updated. - XT6-60N / XT6-63N
1.05	23-02-2026	Supported model updated. - SPP-R230
1.06	12-08-2026	Supported model updated. - XC3-40d - XC5-40d / XC5-43d