

iFACE Designer

SCADA QIG

Manual Rev.:	Rev. 1.00
Revision Date:	02 16, 2023

Preface

Copyright © 2023 ADLINK Technology , Inc.

This document contains proprietary information protected by copyright. All rights are reserved. No part of this manual may be reproduced by any mechanical , electronic , or other means in any form without prior written permission of the manufacturer.

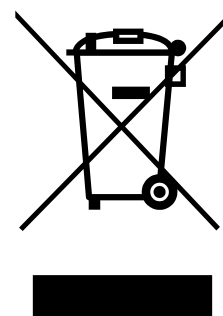
Disclaimer

The information in this document is subject to change without prior notice in order to improve reliability , design , and function and does not represent a commitment on the part of the manufacturer.

In no event will the manufacturer be liable for direct , indirect , special , incidental , or consequential damages arising out of the use or inability to use the product or documentation , even if advised of the possibility of such damages.

Environmental Responsibility

ADLINK is committed to fulfill its social responsibility to global environmental preservation through compliance with the European Union's Restriction of Hazardous Substances (RoHS) directive and Waste Electrical and Electronic Equipment (WEEE) directive. Environmental protection is a top priority for ADLINK. We have enforced measures to ensure that our products , manufacturing processes , components , and raw materials have as little impact on the environment as possible. When products are at their end of life , our customers are encouraged to dispose of them in accordance with the product disposal and/or recovery programs prescribed by their nation or company.



Trademarks

Product names mentioned herein are used for identification purposes only and may be trademarks and/or registered trademarks of their respective companies.

Revision History

Revision	Release Date	Description of Change(s)
1.00	2023-02-16	1 st edition release

Table of Contents

Preface	2
Table of Contents.....	3
1 Overview	4
2. Installation of iFace-Designer®	5
2.1 Step 1.....	5
2.2 Step 2.....	5
2.3 Step 3.....	6
2.4 Step 4.....	6
2.5 Step 5.....	7
2.6 Step 6.....	7
2.7 Step 7.....	8
2.8 Step 8.....	8
2.9 Step 9.....	9
2.10 Step 10.....	9
2.11 Step 11.....	10
2.12 Step 12.....	10
3. Create a New Project.....	11
4. Installation of iFace SCADA	12
4.1 Step 1.....	12
4.2 Step 2.....	12
4.3 Step 3.....	13
4.4 Step 4.....	13
4.5 Step 5.....	14
4.6 Step 6.....	14
4.7 Step 7.....	15
4.8 Step 8.....	15
4.9 Step 9.....	16
4.10 Step 10.....	16
4.11 Step 11.....	17
4.12 Step 12.....	17
4.13 Step 13.....	17
4.14 Step 14.....	18
4.15 Step 15.....	18
4.16 Step 16.....	19
5. Appendix : Font installation	19

1 Overview

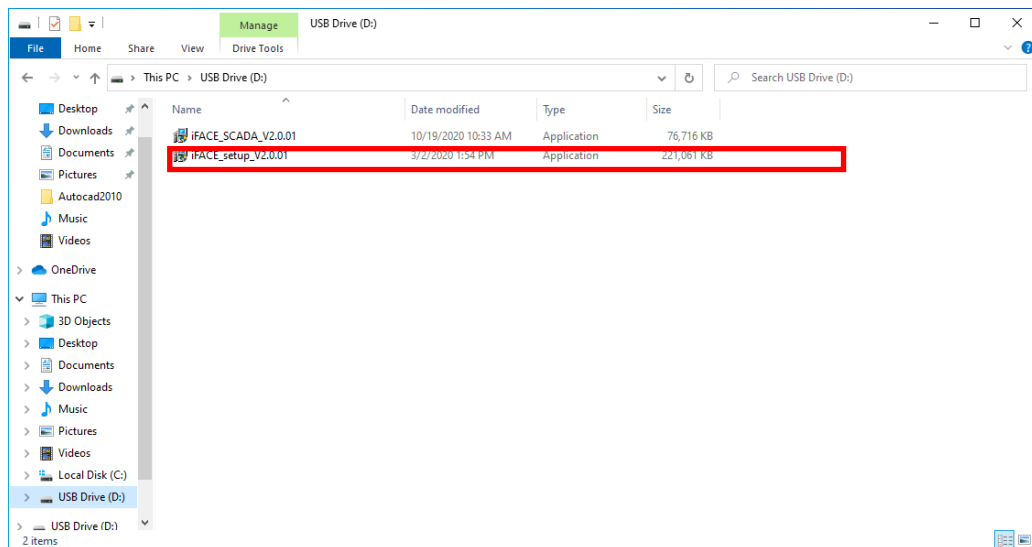
iFace SCADA® is derived from iFace-Designer® runtime to be executed on X86 PC/IPC hardware platform for supervisory control and data acquisition applications. This chapter will introduce the procedures of software download, installation, and program execution. For iFace-Designer project setups and programming, please refer to iFace_Designer_User_Manual.pdf.

2. Installation of iFace-Designer®



2.1 Step 1

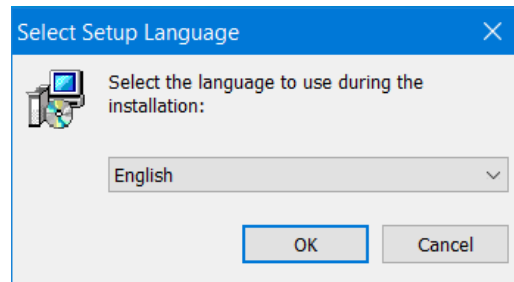
After downloading iFace-Designer from Novakon official website. Double-click on **【iFace_setupV2.0.01.exe】** to start the installation process. (V2.0.01 is the version used in this example, it may differ according to your need)



2.2 Step 2

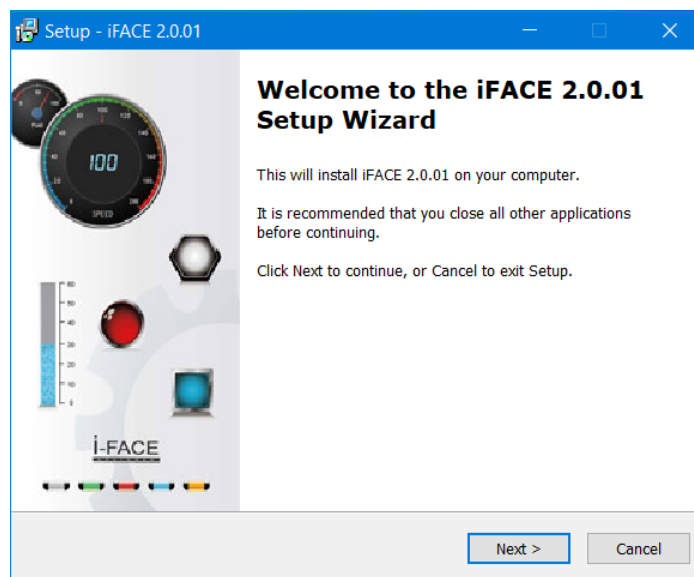
Select the setup language and press **【OK】**.

Note: the language selected here is only applied to setup procedures, not related to the user interface language in iFace Designer.



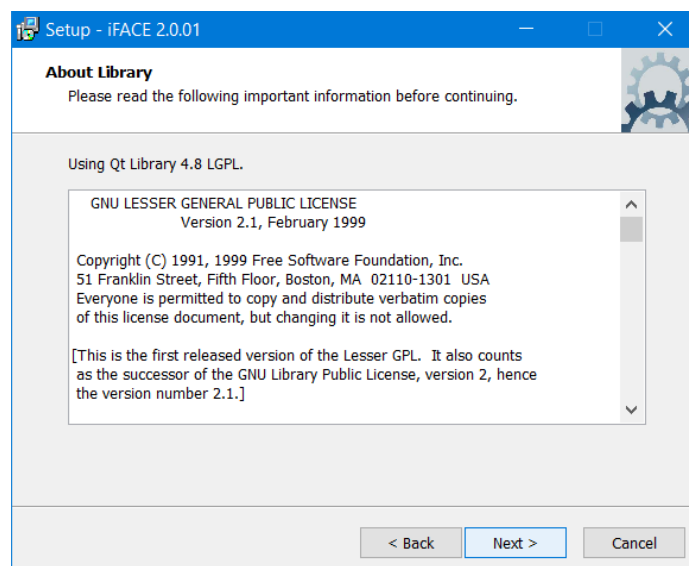
2.3 Step 3

Click **【Next】** to start the installation



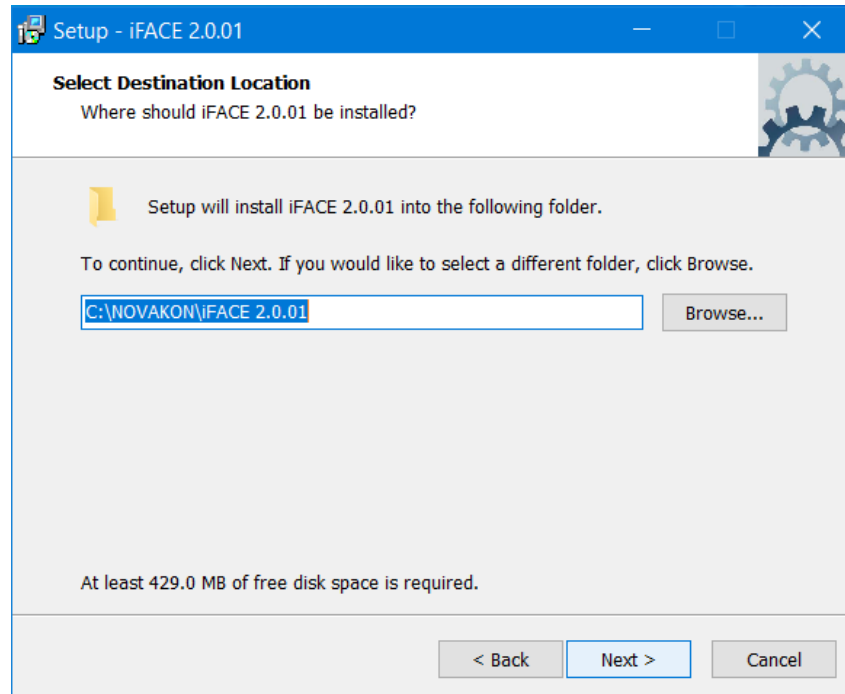
2.4 Step 4

Click **【Next】** to continue



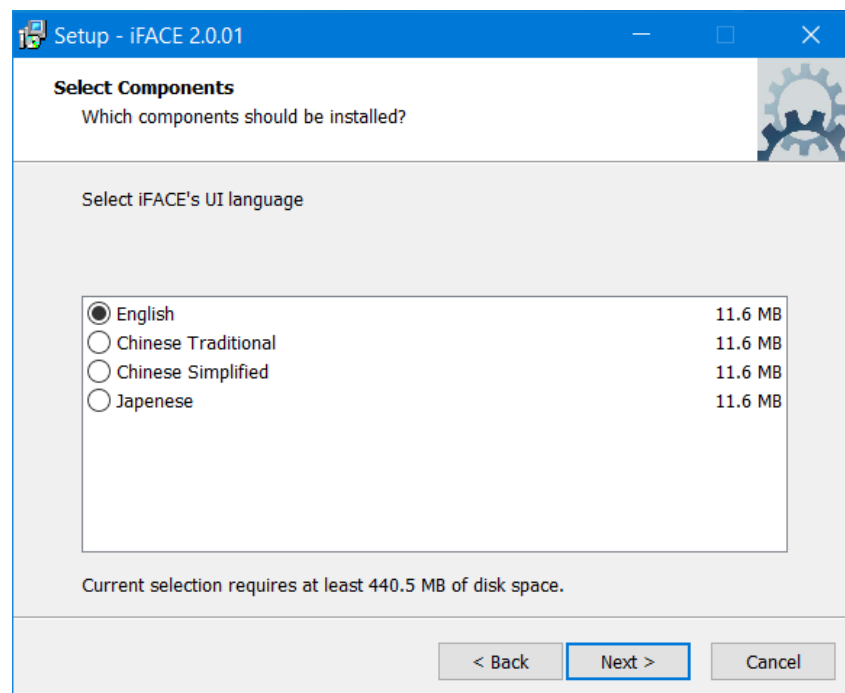
2.5 Step 5

Select destination location for the installation. To change the location, click **【Browse】** to select and click **【Next】**.



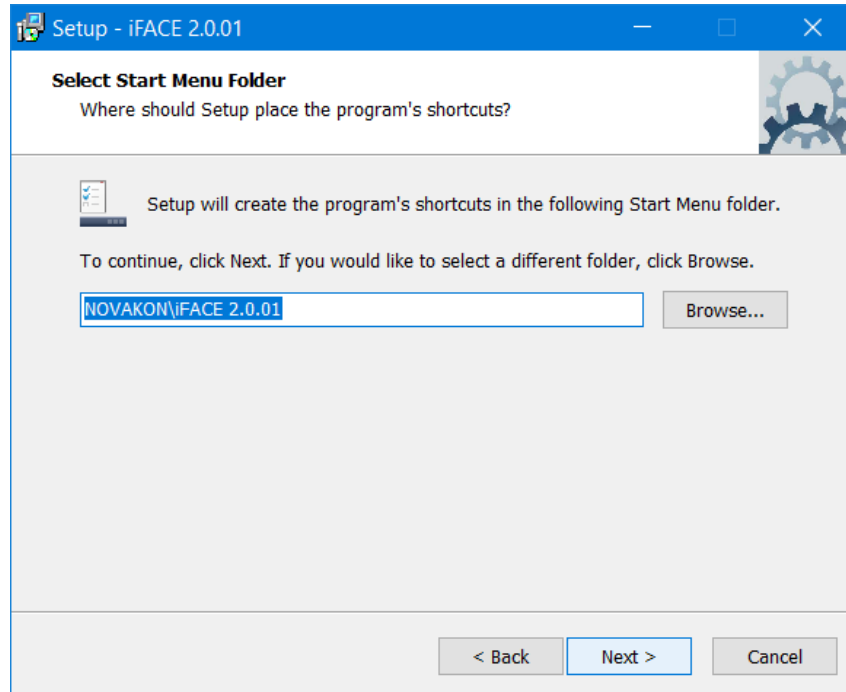
2.6 Step 6

Select iFace's UI language and click **【Next】**



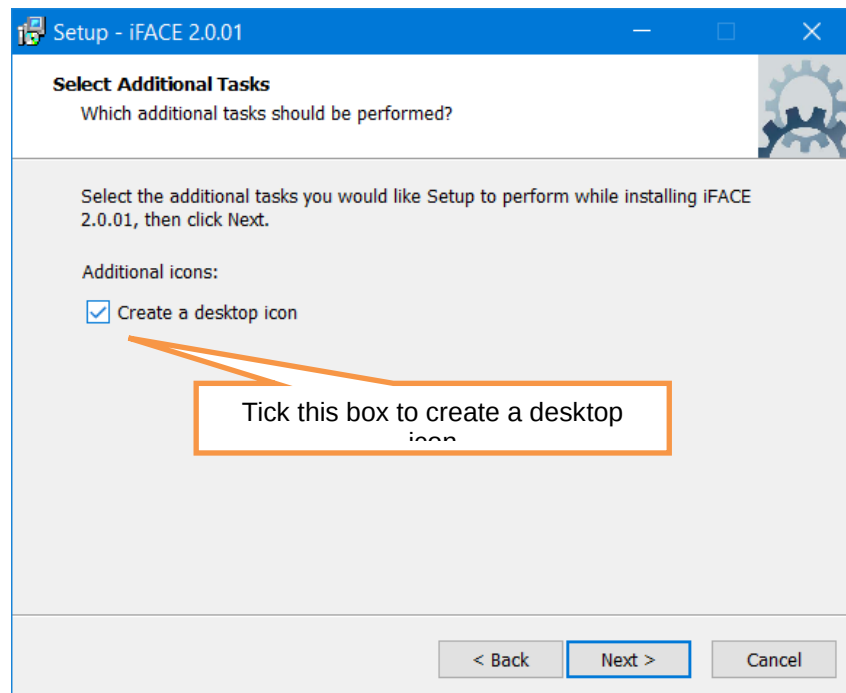
2.7 Step 7

Select location for program's shortcut in 【Start Menu】 folder. To change the location, click 【Browse】 to select and click 【Next】 .



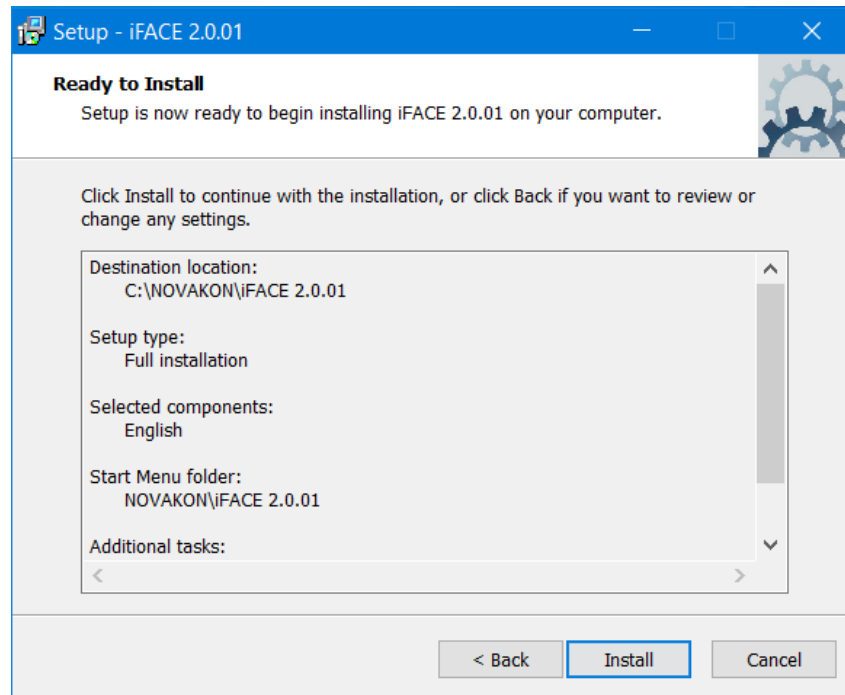
2.8 Step 8

Tick the box if you want to create a desktop icon. Click 【Next】 to continue.



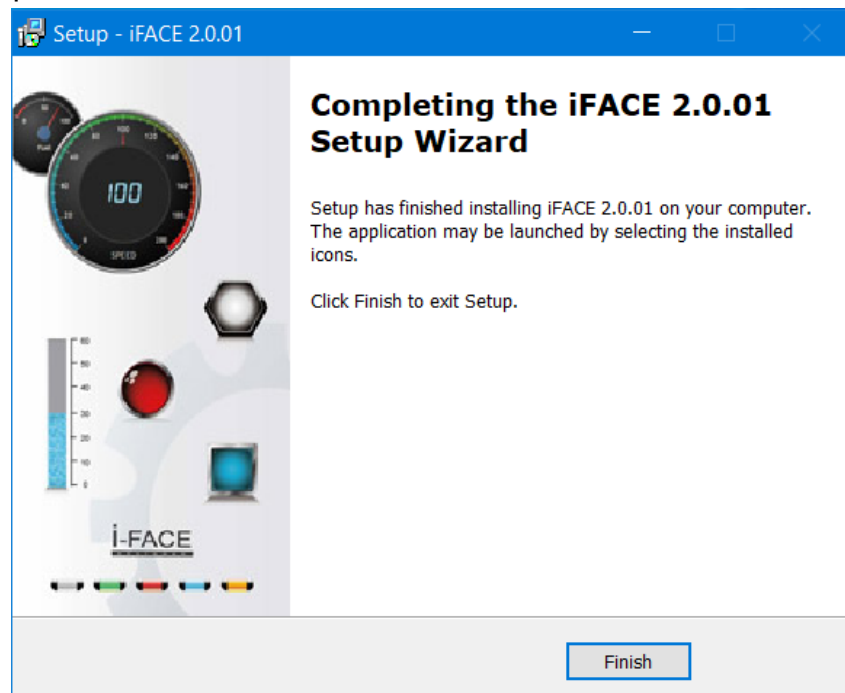
2.9 Step 9

Check if all the settings are correct. Click **【Back】** for adjustment; Click **【Install】** to continue the installation.



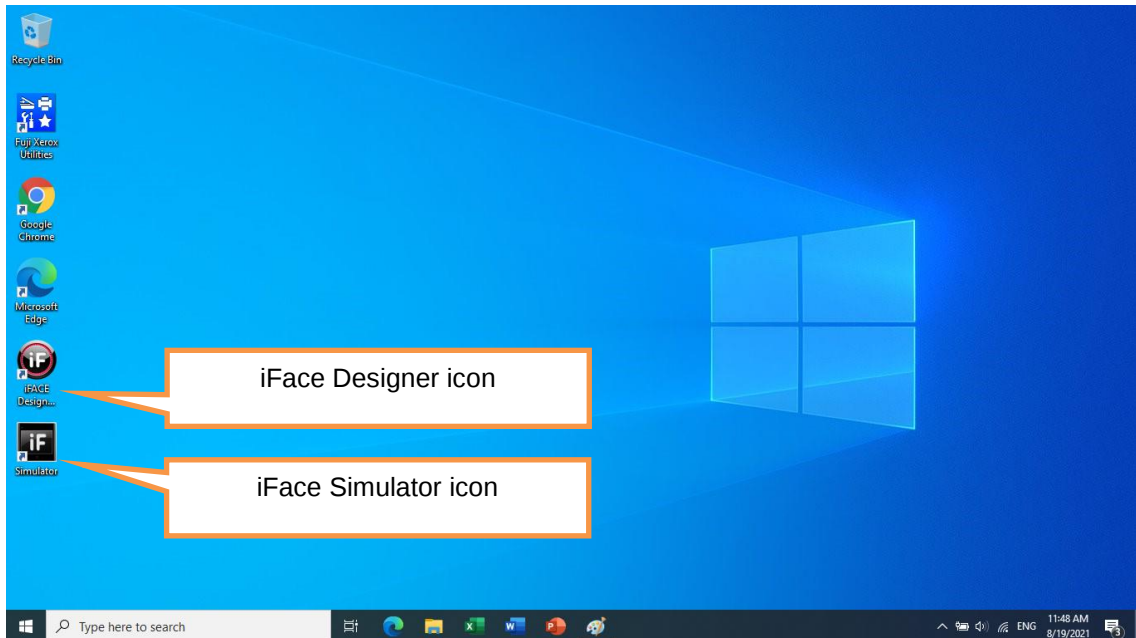
2.10 Step 10

Completing the setup wizard. Click **【Finish】** to close the wizard.



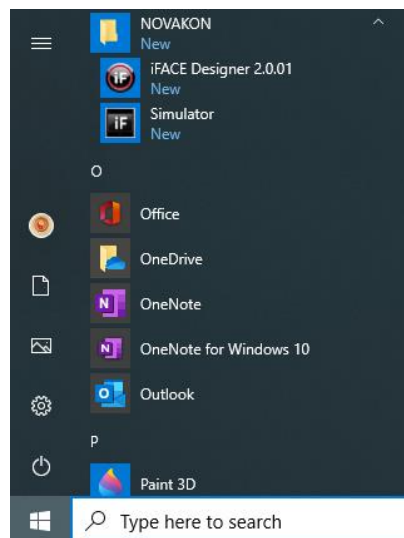
2.11 Step 11

The icons of **【iFace Designer 2.0.1】** and **【Simulator】** are on the desktop now. Double-Click **【iFaceDesigner 2.0.1】** to run the iFace Designer 2.0.1 editor for project programming; Double-Click **【Simulator】** for project simulation. **【Simulator】** here serves the same function as **【Online Simulation】** in iFace Designer 2.0.1 editor.



2.12 Step 12

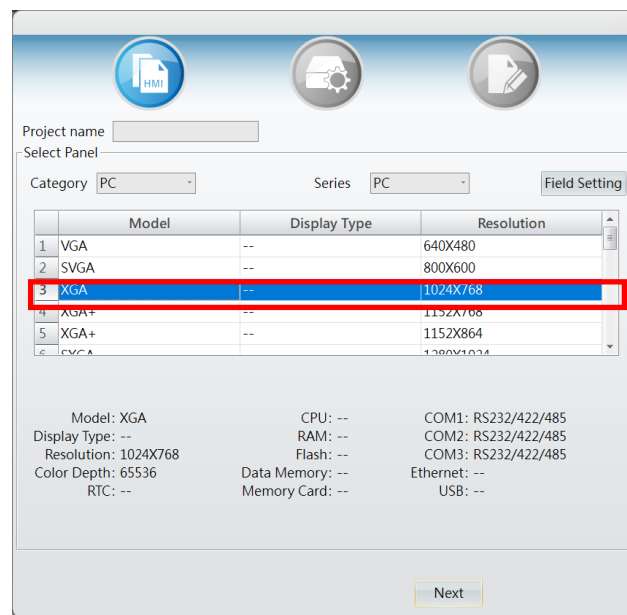
If the desktop icons are not found, they can also be found at Novakon folder in **【Start Menu】**.



3. Create a New Project



In **iFace Designer**, create a new project by clicking the icon  on the upper-left corner. Select **PC** in the **Category**, **Model** depends on the resolution of the monitor this program to be run with. In this example, we select **XGA** (Resolution 1024 x 768).



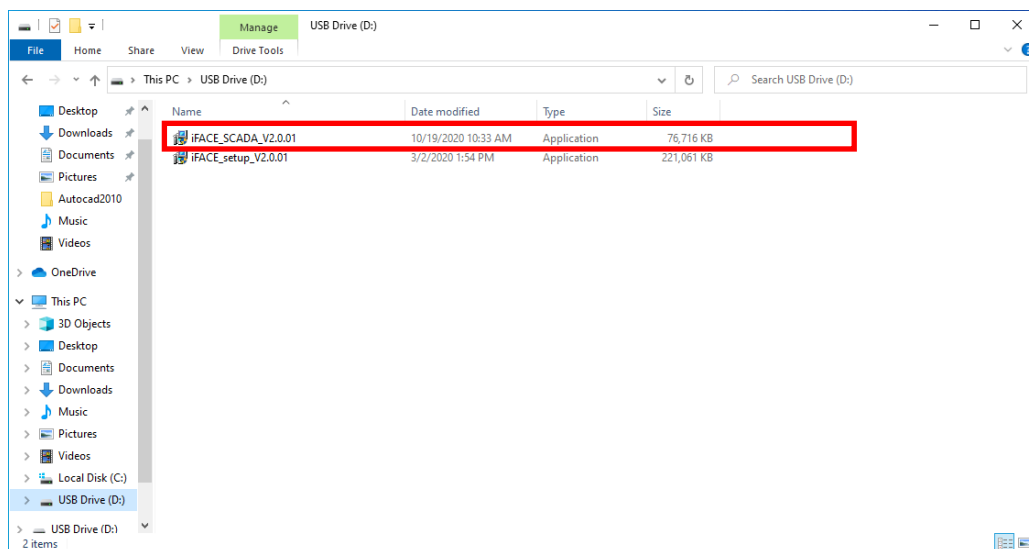
For iFace-Designer project setups and programming, please refer to iFace_Designer_User_Manual.pdf.

4. Installation of iFace SCADA



4.1 Step 1

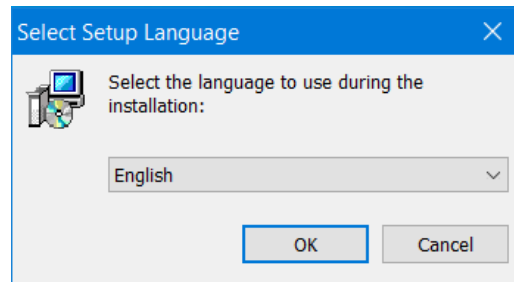
Double-click on **【iFace_SCADA_V2.0.01.exe】** to start the installation process. (V2.0.01 is the version used in this example, it may differ according to your need)



4.2 Step 2

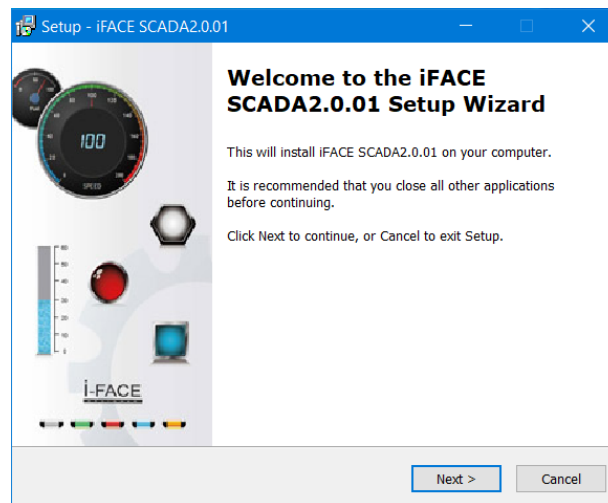
Select the setup language and press **【OK】**.

Note: the language selected here is only applied to setup procedures, not related to the user interface language in iFace Designer.



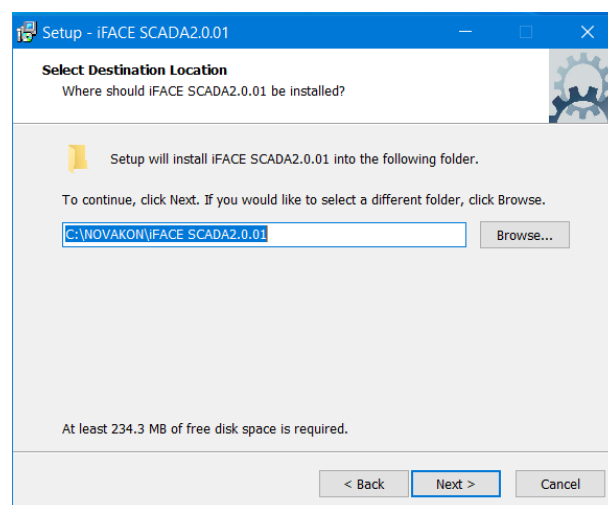
4.3 Step 3

Click **Next** to start the installation



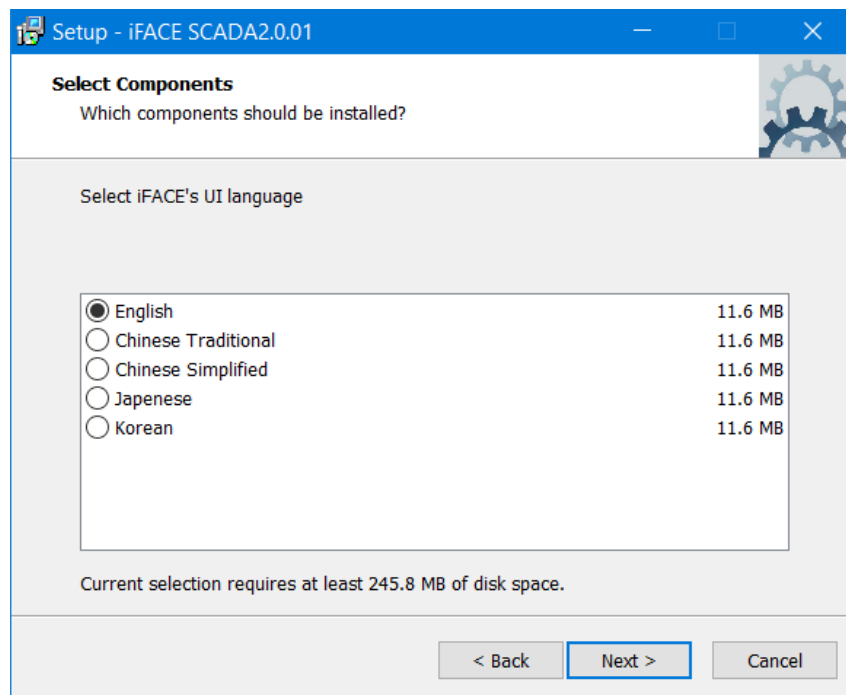
4.4 Step 4

Select destination location for the installation. To change the location, click **Browse** to select and click **Next** .



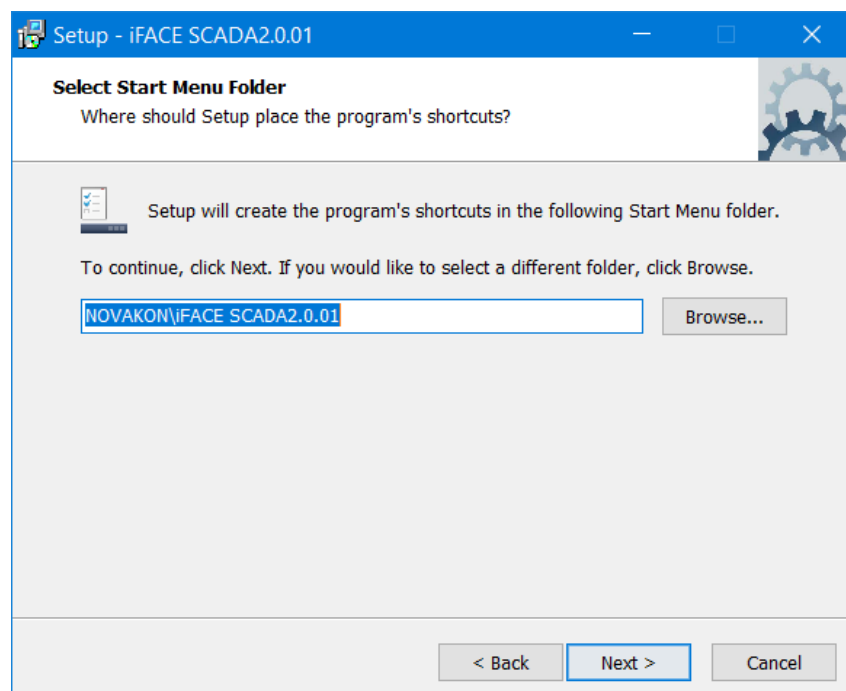
4.5 Step 5

Select iFace SCADA's UI language and click **【Next】**.



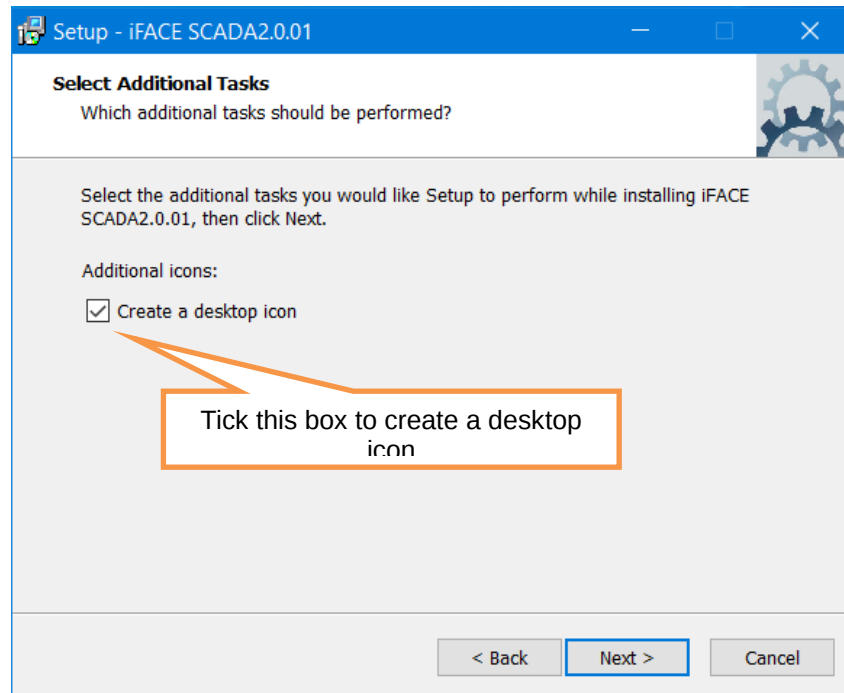
4.6 Step 6

Select location for program's shortcut in **【Start Menu】** folder. To change the location, click **【Browse】** to select and click **【Next】**.



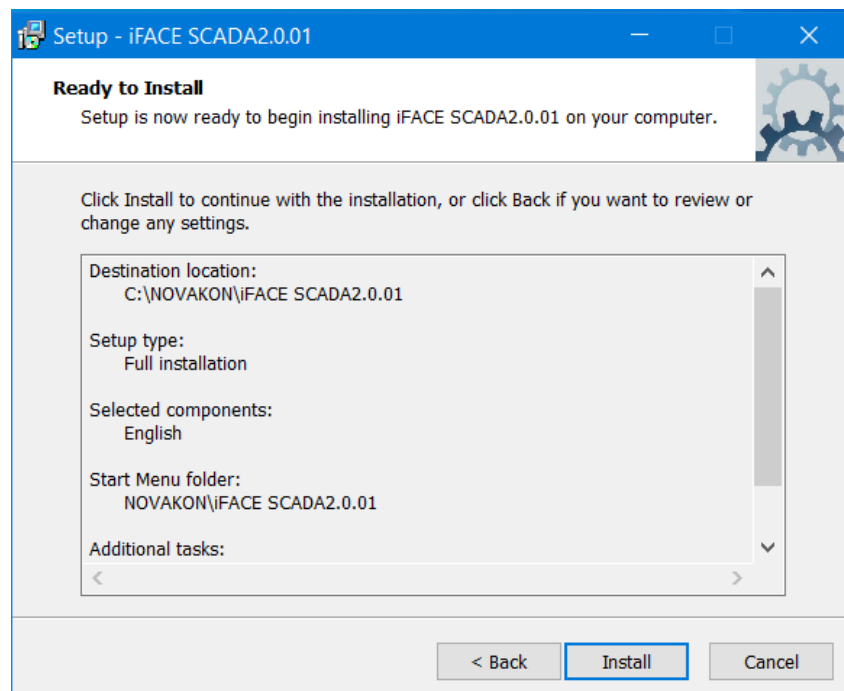
4.7 Step 7

Tick the box if you want to create a desktop icon. Click **Next** to continue. °



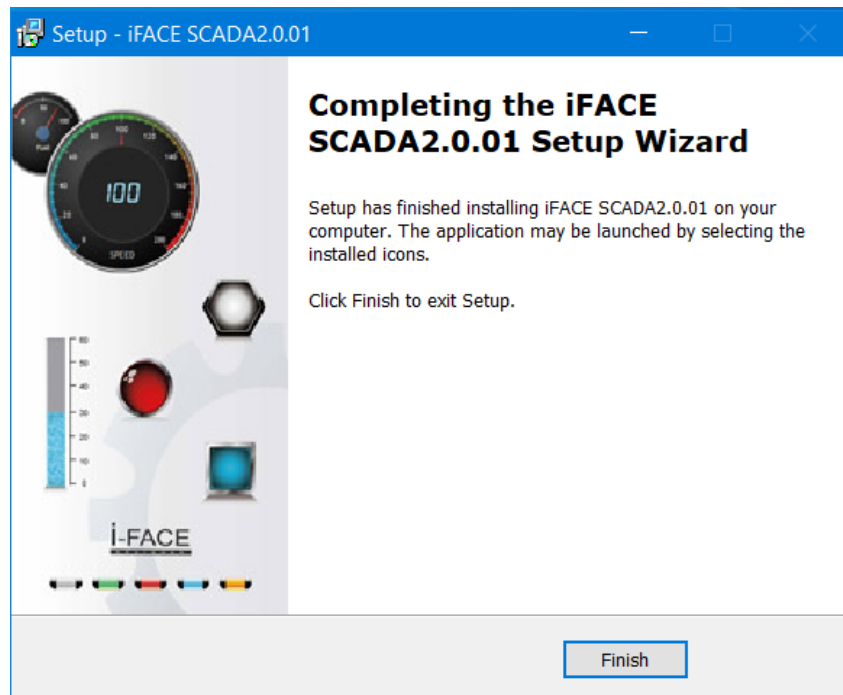
4.8 Step 8

Check if all the settings are correct. Click **Back** for adjustment; Click **Install** to continue the installation.



4.9 Step 9

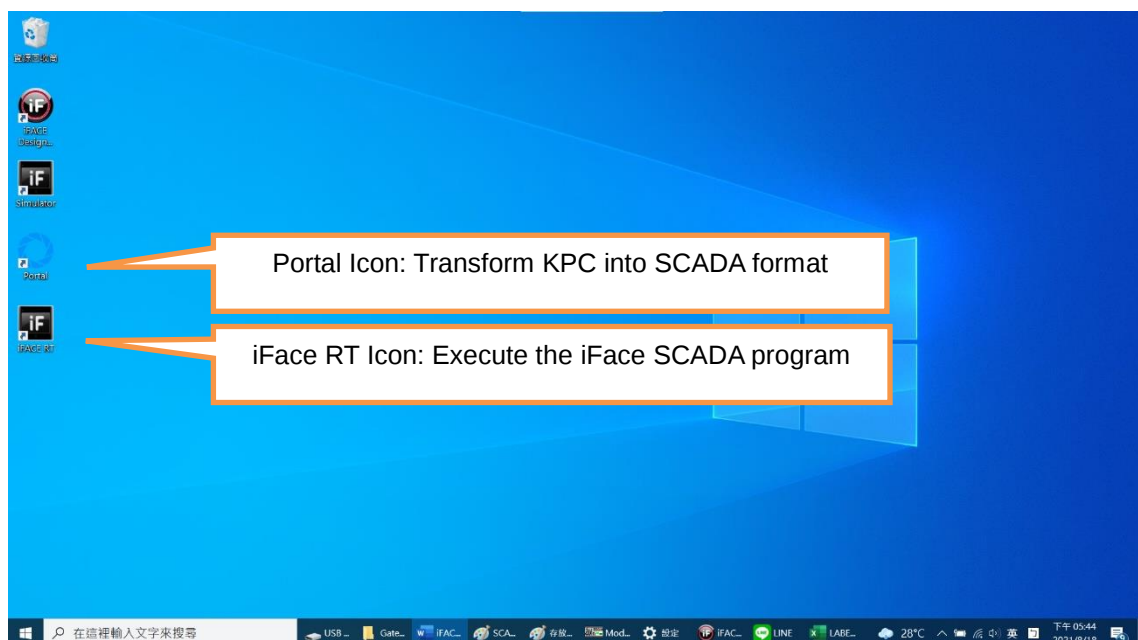
Completing the setup wizard. Click **【Finish】** to close the wizard.



4.10 Step 10

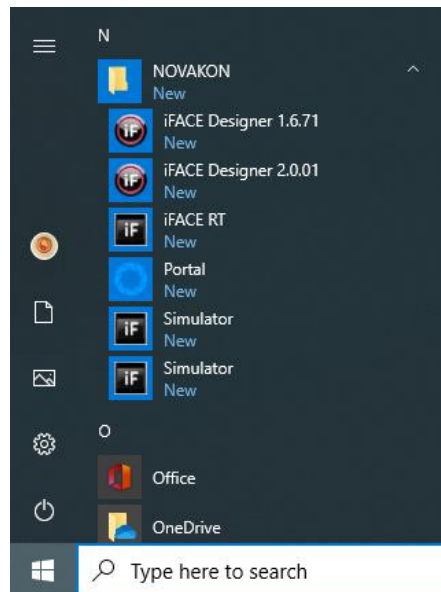
The icons of **【Portal】** and **【iFace RT】** are on the desktop now.

【Portal】 transform the compiled*.kpc into SCADA format; **【iFace RT】** execute the SCADA program.



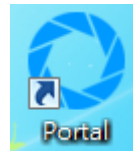
4.11 Step 11

If the desktop icons are not found, they can also be found at Novakon folder in 【Start Menu】.



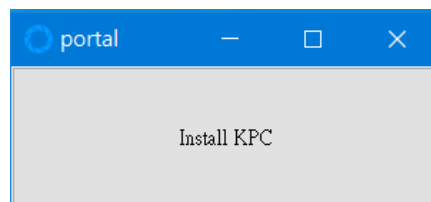
4.12 Step 12

Double-click on 【Portal】 icon to transform the compiled*.kpc into SCADA format.

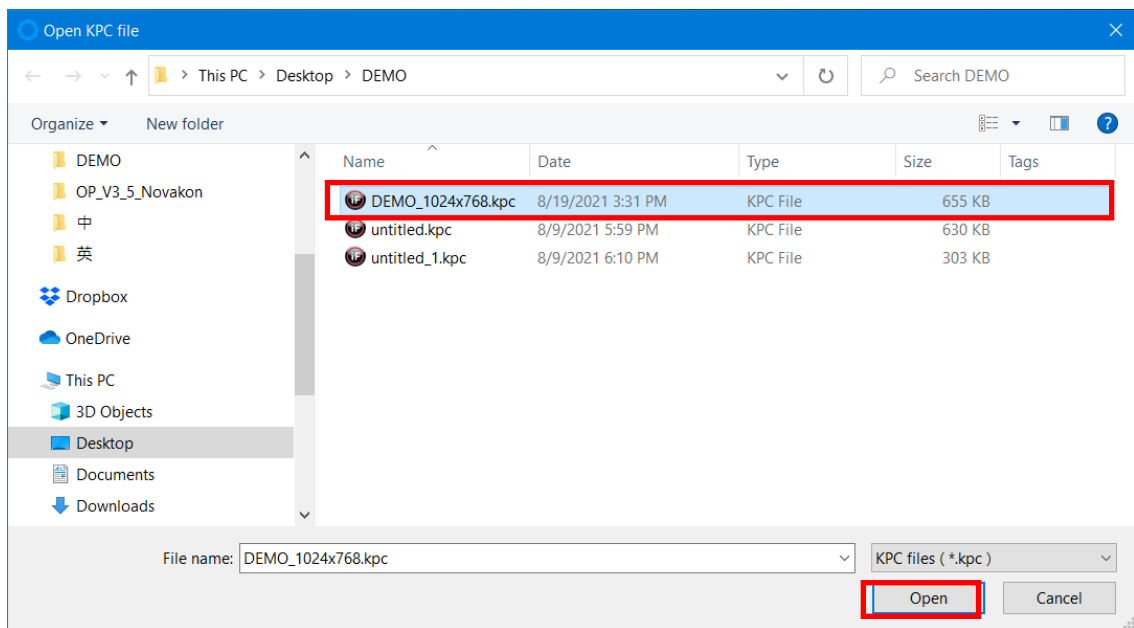


4.13 Step 13

1. Click 【Install KPC】.



Locate and select the*.kpc file to be transformed. In this example, 【Demo_1024x768.kpc】 is selected, and click 【Open】. After the transformation, the 【Portal】 dialog can be closed.



4.14 Step 14

Double-click on 【iFace RT】 icon to execute the SCADA program.



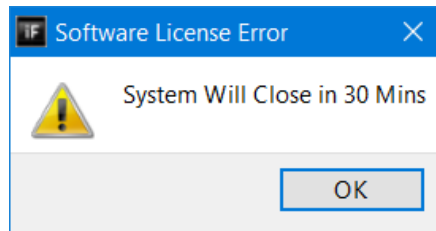
4.15 Step 15

SCADA program is now running



4.16 Step 16

Remember to plug in the iFace SCADA USB Dongle KEY to the USB port of your PC before executing the SCADA program. Otherwise a reminder will pop up showing 【System Will Close in 30 Mins】 .



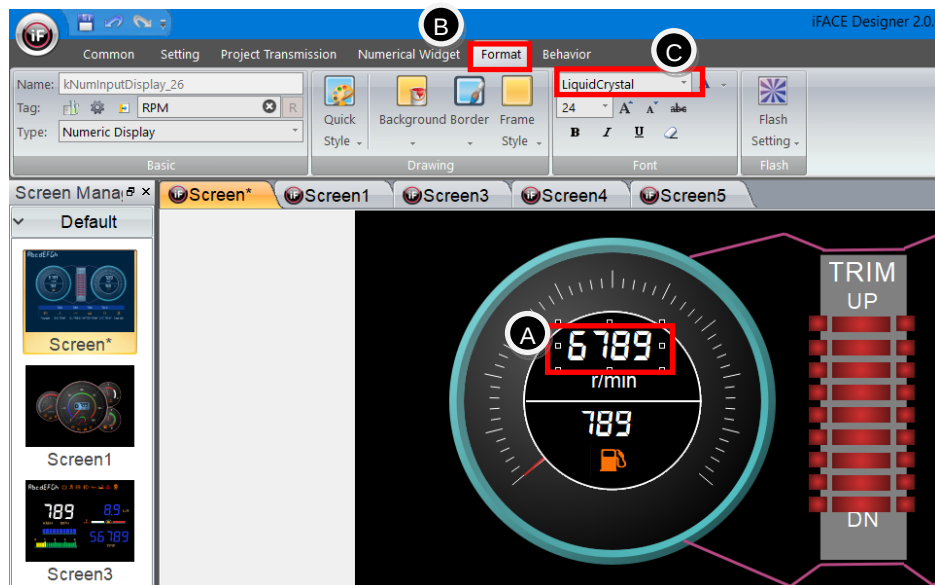
5. Appendix : Font installation



Occasionally the font displayed in the SCADA program is not the same as that in the editor. This might be resulted from missing fonts in the SCADA program, which is run on a different PC rather than the one for project editing.

1. Check the font selected in the editor

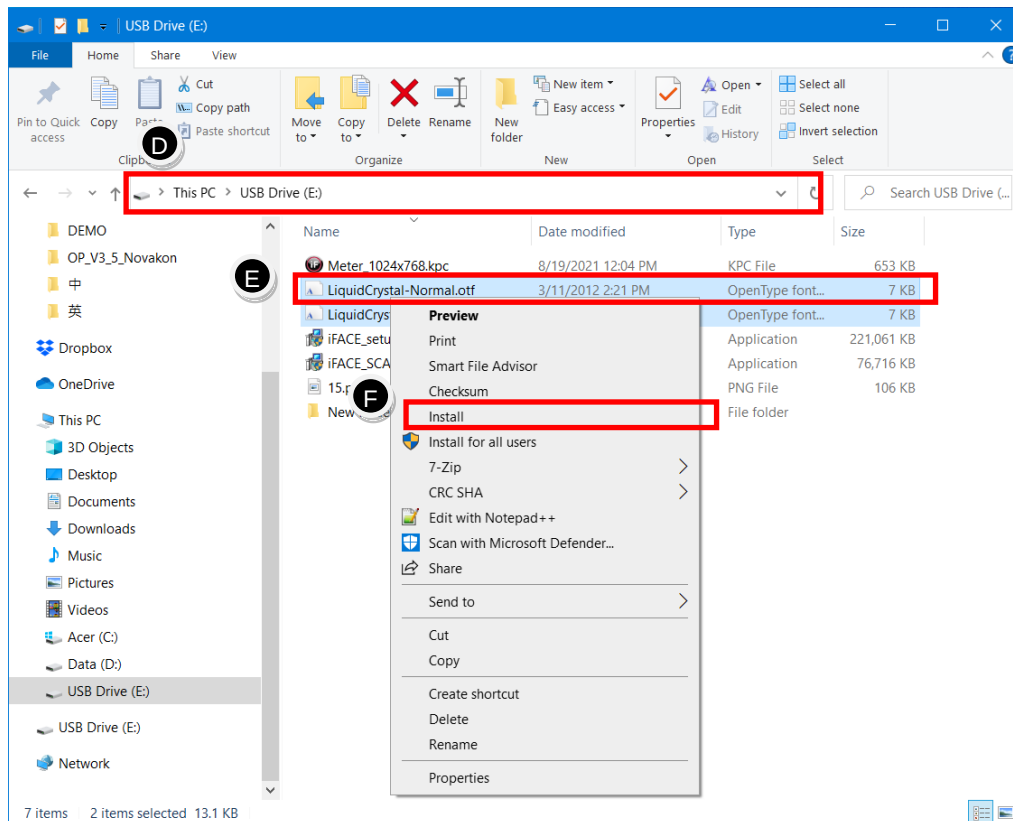
In iFace Designer, you can check the font setting in Ribbon UI 【Format】 → 【Font】 . Follow the steps below to check the which font was originally used.



- A. Click on the numerical display widget
- B. Click on Ribbon UI→【Format】
- C. The font selected is【LiquidCrystal】

2. Adding fonts in Windows

Now obtained the font file of【LiquidCrystal】 and install it in Windows:



- D. Locate the font file
- E. Right-click on the font file
- F. Click on【Install】on the pop up menu and wait until the process completes.

3. Execute the 【iFace RT】 again

After the font installation, it will to applied to the 【iFace RT】 to have identical font style as viewed in iFace editor.