WF501-WF502 configuration software upgrade steps

1. Plug the machine into the configuration cable and connect it to the computer, after ejecting the new disk from the computer, click "Read", as shown in Figure 1

| 🥱 Real-time Data Log | gger Configure Software v1.1.4 | 7 2022/07/18 16:29:27 |
|----------------------|--------------------------------|---|
| <u> </u> | 1 0 1 | |
| Read Sar | ve DFU Abou | |
| Basic Information | | |
| ID : | 50012200000005 | Device Time : 2022/07/18 16:26:07 |
| Network Setting | | |
| WiFi Name : | TZONE1 | |
| Password : | tzone2014 | |
| | | |
| Status Setting | | |
| , and a second | | |
| | | |
| Data Upload/Stor | age Interval : 1 mi | 1 [1 ~ 1440] minutes |
| | | |
| Temperature Unit | Setting | |
| Temperature Uni | t: ⊚•⊂ ○• | |
| Temp & amp;RH a | arm setting | |
| High temperature | e threshold : -5 | °C Low temperature threshold : -20 °C Temp &:RH alarm data interval |
| | | 1 min |
| Enable the buzze | r: 🔲 | |
| Server Connection | Setting | |
| IP/Domain : | t-gateway.tzonedigital.cn | Port : 54929 11 - 655251 TCD/UDD : TCP |
| Collibration Cotting | - <u>-</u> | |
| Calibration Setting | | |
| Tamnaratura - | 0 9 1-5 ~ 519 | |

Figure 1

2. Click "DFU", as shown in Figure 2

| S Real-time Data Log | gger Configure Software v1.1.47 | 2022/07/18 16:45:59 |
|----------------------|---------------------------------|--|
| Read Sa | P 🔅 i | |
| Basic Information | | |
| ID : | 50012200000005 | Device Time : 2022/07/18 16:44:27 |
| Network Setting | | |
| WiFi Name : | TZONE1 | |
| Password : | tzone2014 | |
| | | |
| Status Setting | | |
| | | |
| Data Upload/Stor | age Interval : 1 min | [1 ~ 1440] minutes |
| | | |
| Temperature Unit | Setting | |
| Temperature Uni | t: ⊙ ℃ ○℉ | |
| Temp & amp;RH a | larm setting | |
| High temperature | e threshold : -5 | °C Low temperature threshold : −20 °C Temp &RH alarm data interval |
| | | 1 min |
| Enable the buzze | er: 🗖 | |
| Server Connection | Setting | |
| IP/Domain : | t-gateway.tzonedigital.cn | Port : 54929 [1 ~ 65535] TCP/UDP : TCP • |
| Calibration Setting | 9 | |
| Tamnaratura - | 0 or 1-5 ~ 510r | |
| Hardware : W | F501_ESP12F_Standard | |

Figure 2

3. After the dialog box pops up, press and hold the machine button, then click "Yes", and then release the button after 5s. At this time, the machine indicator lights should be on at the same time, indicating that the machine has entered the configuration mode, as shown in Figure 3 (Figure 3). 4 "Yes" and "No" will be automatically matched according to the Chinese and English systems of the computer, that is, "YES" and "NO" are displayed in the English system)

| Real-time Data Lo | ogger Configure Software v1. | .47 2022/07/18 16:39:4 | 4 | Contract of | - | |
|--------------------|------------------------------|---|-------------------------|--------------------|--------------------------|------------------|
| ⊻ [| 900 | | | | | |
| | ave DFU Abo | | | | | |
| Basic Information | n | | | | | |
| ID : | 50012200000005 | | Dev | vice Time : | 2022/07/18 16:26:07 | |
| Network Setting | | | | | | |
| WiFi Name : | TZONE1 | | (. | _ | - | |
| Password : | tzone2014 | | Tips | | | |
| | | | | معتد المراد المراد | | |
| Status Setting | | | of clicking "OK" | fold the butto | n and release it after 5 | seconds |
| | | | | | | |
| D . 11 10 | | 1 11 14400 1 L | | | Eno | T (A)) |
| Data Upload/Sto | rage interval : 1 | nin (1 ~ 1440) minutes | | | 元E(Y) | |
| L | | | <u></u> | | | |
| Temperature Uni | t Setting | | | | | |
| Temperature Ur | nit: ⊚°⊂ O | °F | | | | |
| Temp & amp;RH | alarm setting | | | | | |
| High temperatu | re threshold : -5 | ℃ Low tempe | erature threshold : -20 | °C | Temp &:RH alar | rm data interval |
| | | | | | 1 min | |
| Enable the buzz | er: | | | | | |
| Server Connectio | n Setting | | | | | |
| | t gataway transdigital co | | 54020 11 (5525) | TODAL | 5.5 | |
| IP/Domain : | r-gateway.czonedigital.ch | Port : | 34929 [1 ~ 65535] | TCP/U | | |
| Calibration Settin | 19 | | | | | |
| Tamparatura · | 0 % 1-5~51 | e i i i i i i i i i i i i i i i i i i i | | | | |
| Hardware : V | VF501_ESP12F_Standard | | | | | |

Figure 3

4. Install the driver according to the dialog box prompts, as shown in Figure 4, Figure 5, Figure 6, Figure 7, Figure 8

| Read S | DFU About | DfuSe Demo (v3.0.6) |
|--|--|---|
| Basic Information | n | STM Device in DFU Mode Application Mode: DFU Mode: |
| ID : | 50012200000005 | Supports Upload Manifestation tolerant Vendor ID: Vendor ID: 0483 |
| Network Setting | | v 5 v C B DfuSe v3.0.6 - InstallShield Wizard ■ |
| WiFi Name : | TZONE1 | Ente Action Welcome to the InstallShield Wizard for DfuSe v3.0.6 |
| Password : | tzone2014 | Seled The InstallShield(R) Wizard will allow you to modify, repair, or remove DfuSe v3.0.6. To continue, dick Next. |
| | | Conception of the second se |
| Data Upload/Sto Temperature Uni | orage Interval : 1 min [1 | Lin Uple File |
| Data Upload/Sto Temperature Uni Temperature Ur | orage Interval : 1 min [1 it Setting nit : ००९०० ९ | Il Cuple File |
| Data Upload/Sto Temperature Uni Temperature Ur Temp &RH a | alarm setting | Upla File Tran 0 KS |
| Data Upload/Sto Temperature Uni Temperature Ur Temp & amp;RH a High temperatu | alarm setting re threshold : _5 | I - Upla File Tran OKE Ope <a href="https://www.selfabor-</td> |
| Data Upload/Sto Temperature Uni Temperature Ur Temp & amp:RH a High temperatu Enable the buzz | it Setting it Setting nit : المالي ال ومالي مالي مالي مالي مالي مالي مالي مالي | Il - Uplo File Tran OKE Ope |
| Data Upload/Sto Temperature Uni Temp & Amp;RH : High temperatu Enable the buzz Server Connectio | alarm setting it Setting alarm setting tre threshold : _5 teer : □ on Setting | Lupic File Tran Ope Cancel Abort Quit |
| Data Upload/Sto Temperature Uni Temp & amp;RH i High temperatur Enable the buzz Server Connectio IP/Domain : | rage Interval : 1 min [1 it Setting nit : ● ℃ ● 약 alarm setting re threshold : -5 ter : □ m Setting t-gateway.tzonedigital.cn | Lin Upla File Tran 0 K8 0 per < Back Next > Cancel Abort Quit |
| Data Upload/Sto Temperature Uni Temp & Amp;RH i High temperatur Enable the buzz Server Connectio IP/Domain : Calibration Settir | rage Interval : 1 min [1 it Setting nit : ● ℃ ● 약 alarm setting re threshold : -5 ter : □ ns Setting t-gateway.tzonedigital.cn ng | Upla File Tran OKE Ope <back next=""> Cancel Abort Out CrryOPr. CryOPr.</back> |

Figure 4

| 🛃 DfuSe v3.0.6 | - InstallShield Wizard |
|--------------------------------|---|
| Program Main Modify, repain | ntenance r, or remove the program. |
| Modify | Change which program features are installed. This option displays the Custom Selection dialog in which you can change the way features are installed. |
| © Repair | Repair installation errors in the program. This option fixes missing or corrupt files, shortcuts, and registry entries. |
| © Remove | Remove DfuSe v3.0.6 from your computer. |
| InstallShield | Cancel |



| Custom Setup Select the program features you want | t installed. | | E |
|--|---------------------|--------------------------------|------|
| Click on an icon in the list below to chang | je how a feature is | installed. Feature Descript | tion |
| stallShield | | | |
| | | | |

Figure 6

| If you want to review or change any of your installation settings, dick exit the wizard. Current Settings: Setup Type: Typical Destination Folder: C:\Program Files (x86)\STMicroelectronics\Software\ User Information: | s, <mark>dick Back. Click Cancel t</mark> |
|---|---|
| Current Settings: Setup Type: Typical Destination Folder: C:\Program Files (x86)\STMicroelectronics\Software\ User Information: | |
| Typical Destination Folder: C:\Program Files (x86)\STMicroelectronics\Software\ User Information: | |
| Destination Folder: C:\Program Files (x86)\STMicroelectronics\Software\ User Information: | |
| C:\Program Files (x86)\STMicroelectronics\Software\ User Information: | |
| User Information: | |
| TTONES 4 | |
| Name: 120NE04 | |
| Company: Microsoft | |
| alichiald | |

Figure 7

| 2 | InstallShield Wizard Completed The InstallShield Wizard has successfully installed DfuSe v3.0.6. Click Finish to exit the wizard. |
|---|---|
| | |
| | < Back Finish Cancel |

Figure 8

After installing the driver, select the firmware to be upgraded, as shown in Figure 9 and Figure
 10

| Available DFU Dev STM Device in Df | rices FU Mode | • | Application Mode: | DFU Mode: |
|--|---|---|--|--|
| Supports Uplo Supports Dow Can Detach | ad 🛛 | Manifestation tolerant Accelerated Upload (ST) | Vendor ID: Procuct ID: | Vendor ID: 0483 Procuct ID: DF11 Version: 0200 |
| Enter DFU mode | /HID detach | Leave DFU mode | v craion. | Version. 0200 |
| Actions | | | | |
| Select Target(s): | Target Id | Name | Available Sector | rs (Double Click for more) |
| | 00 | Internal Flash | 512 sectors | |
| | 01 | OTP Area | 1 sectors | |
| Upload Action | 2 | Upgrade or V | erify Action | |
| Upload Action File: | | Upgrade or V File: Vendor ID: | 'erify Action Targets in | file: |
| Upload Action File: Choose. | | Upgrade or V File: Vendor ID: pload Procuct ID: | 'erify Action Targets in | file: |
| Upload Action File: Choose. | . U | Upgrade or V File: Vendor ID: Procuct ID: Version: | 'erify Action Targets in | file: |
| Upload Action File: Choose. Transferred data 0 KB(0 Bytes) of | . U size O KB(0 Bytes) | pload Upgrade or V File: Vendor ID: Procuct ID: Version: Optimize | ferify Action Targets in er download Upgrade duration (Remo | file: ove some FFs) |
| Upload Action File: Choose. Transferred data 0 KB(0 Bytes) of Operation duratic | . U size O KB(O Bytes) m 00:00:00 | Dioad Upgrade or V File: Vendor ID: Procuct ID: Version: Optimize Choose. | ferify Action Targets in er download Upgrade duration (Remo | file: ove some FFs) |

Figure 9

| STM Device in Df | -U Mode | | • | Applica | tion Mode: | DFU Mod | e: |
|---|--------------|------------------------------|--|---|---|--|---------------------------|
| Supports Uplo Supports Dow Can Detach | ad 🗌 | Manifestation Accelerated | n tolerant Upload (ST) | Vendor Procuct Versio | ID: ID: | Vendor ID: Procuct ID Version: | : 0483): DF11 0200 |
| Enter DFU mode | /HID detach] | Leave DF | U mode | Y CI SIC | 511. | Y CI 31011. | 0200 |
| Actions | | | | | | | |
| Select Target(s): | Target Id | Name | | A١ | vailable Secto | rs (Double Click | (for more) |
| | 00 | Internal Flash | 1 | 51 | 2 sectors | | |
| | 0.000 | | | | | | |
| Upload Action | 01 | OTP Area | Upgrade or \ | 1 : /erify Actio | sectors | | |
| Upload Action File: | 01 | OTP Area | Upgrade or \ File: | 1 : /erify Actio _WF501_E | sectors n ESP12F_Stan | idard_V1.05.dfu | 1 |
| Upload Action File: | | OTP Area | Upgrade or \ File: Vendor ID: | 1 : /erify Actio | n ESP12F_Stan Targets in | idard_V1.05.dfu file: | a C |
| Upload Action File: Choose. | . Ut | OTP Area | Upgrade or \ File: Vendor ID: Procuct ID: | /erify Actio WF501_1 0483 DF11 | n ESP12F_Stan Targets in 00 S | idard_V1.05.dfu file: T | a (|
| Upload Action File: Choose. Transferred data | 01 | OTP Area | Upgrade or \ File: Vendor ID: Procuct ID: Version: | /erify Actio WF501_8 0483 DF11 0200 | n SP12F_Stan Targets in 00 S | idard_V1.05.dfu file: T | a (|
| Upload Action File: Choose Transferred data 0 KB(0 Bytes) of | 01 | OTP Area | Upgrade or \ File: Vendor ID: Procuct ID: Version: Nersion: | /erify Actio WF501_t 0483 DF11 0200 eer downloa | n ESP12F_Stan Targets in 00 S | idard_V1.05.dfu file: T | 4 |
| Upload Action File: Choose. Transferred data 0 KB(0 Bytes) of | 01 | DTP Area | Upgrade or \ File: Vendor ID: Procuct ID: Version: Version: Optimize | /erify Actio WF501_f 0483 DF11 0200 ter downloa | n ESP12F_Stan Targets in 00 S duration (Rem | idard_V1.05.dfu file: T ove some FFs) | ač |
| Upload Action File: Choose Transferred data 0 KB(0 Bytes) of Operation duratio | 01 | DTP Area | Upgrade or \ File: Vendor ID: Procuct ID: Version: Version: Optimize | /erify Actio WF501_f 0483 DF11 0200 ter downloa Upgrade o | n ESP12F_Stan Targets in 00 S ad Juration (Rem | idard_V1.05.dfu file: T ove some FFs) | J |

Figure 10

6. After selecting the firmware to be upgraded, click "Upgrade", as shown in Figure 11

| Real-time Da | ata Logger Co | onfigure Softwa | are v1.1.47 20 | 022/07/18 17:03:08 | 8 - ar | - 1 C | No. of Street, or other | |
|----------------------|-----------------|-----------------|----------------|----------------------------|-----------------------------------|-------------------------------------|---|-------------------------------------|
| <u>+</u> | | Ö | i | 🗇 DfuSe Demo (v | /3.0.6) | | 1000 | |
| Read Basic Inform | Save | DFU | About | Available DFU Dev | vices FU Mode | • | Application Mode: | DFU Mode: |
| ID : | 50012 | 22000000005 | Ø | Supports Uplo | ad 🗌 Manifest nload 🗌 Accelera | tation tolerant ated Upload (ST) | Vendor ID: | Vendor ID: 0483 Procuct ID: DF11 |
| Network Set | tting : TZON | NE1 | | Enter DFU mode/ Actions | /HID detach] | ve DFU mode | Version: | Version: 0200 |
| Password : | tzone | 2014 | | Select Target(s): | Target Id Name | | Available Secto | ors (Double Click for more) |
| Status Settir | ng | | _ | | 00 Internal F 01 OTP Are | Flash :a | 512 sectors 1 sectors | |
| Data Upload | d/Storage Int | erval : 1 | min [1 | Upload Action - File: | | Upgrade or V File: Vendor ID: | Verify Action WF501_ESP12F_Star 0483 Targets in | ndard_V1.05.dfu file: |
| Temperature | e Unit Settin | g | | Choose. | Upload | Procuct ID: | DF11 00 S | I |
| Temperatu | ire Unit : | © ℃ | O % | Transferred data | size | Version: | 0200 | |
| Temp & | ;RH alarm s | etting | _ | 0 KB(0 Bytes) of | 0 KB(0 Bytes) | 🔲 Verify afte | er download | |
| High tempe | erature thres | hold : -5 | | Operation duratio | n 00:00:00 | Choose | Upgrade duration (Rem | e Verify |
| Enable the | buzzer : | | | | F | File correctly | loaded. | |
| Server Conn | ection Settin | ng | | Abort | | | | Quit |
| IP/Domain | : t-gate | eway.tzonedigit | al.cn | Fort. | 01020 III - 0 | 00001 | ICF/ODF . | |
| Calibration S | Setting | 97 I. | 5~5190 | | | | | |
| Hardware : | WE501 E | SP12E Standar | d | | | | | |

Figure 11

| Available DFU Devices | Application Mode: | DELI Mode: |
|--|---|--|
| STM Device in DFU Mode | Application mode. | Vender ID: 0402 |
| Supports Upload Supports Download Can Detach Enter DFU mode/HID detach | olerant Vendor ID: pload (ST) Procuct ID: Version: | Vendor ID: 0483 Procuct ID: DF11 Version: 0200 |
| Select WF.Upgrade Your device was plug So it is impossible to device. | ged in DFU mode. make sure this file is correc | t for this |
| Continue however ? File: | 是(Y) | 否(N) |
| Uploa File: | 是(Y) | 否(N) |
| Continue however ? File: Trans 0 KB(0 Bytes) of 0 KB(0 Bytes) Operation duration 00:00:00 | 是(Y) Verify after download Optimize Upgrade duration (Rem Choose | 否(N) nove some FFs) e Verify |

Figure 12

7. Click "Leave DFU mode" after it shows that the upgrade is successful, as shown in Figure 13, the machine can resume normal use after leaving the upgrade mode

| STM Device in DFU Mode | | | Application Mod | de: DFU Mode: |
|---|-----------|---|---|--|
| Supports Upload Gan Detach Can Detach | | Manifestation tolerant Accelerated Upload (S | Vendor ID: | Vendor ID: 0483 Procuct ID: DF11 Version: 0200 |
| Enter DFU mode/HID detach | | Leave DFU mode | Version. | Version. 0200 |
| lictions | | 6. | | |
| Select Target(s): | Target Id | Name Available Sectors (Double Click for mo | | Sectors (Double Click for more) |
| | 00 | Internal Flash | 512 sectors | |
| | | | | |
| Upload Action File: Choose. | | Upgrade o File: Vendor ID pload Procuct ID | Verify Action WF501_ESP12F_ 0483 Targe DF11 00 | _Standard_V1.05.dfu ets in file: ST |
| Upload Action File: Choose. Transferred data | U | Upgrade o File: Vendor ID Procuct ID Version: | Verify Action WF501_ESP12F 0483 Targe 00 DF11 000 | _Standard_V1.05.dfu ets in file: ST |
| Upload Action File: Choose. Transferred data | U | Upgrade o File: Vendor ID Procuct ID | Verify Action WF501_ESP12F 0483 Targe 00 DF11 00 | _Standard_V1.05.dfu ets in file: ST |

Figure 13

Note: Please initialize the machine before using it after the upgrade!