

## FT980 Family Web CM User Guide

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## APPLICABILITY TABLE

## PRODUCTS

	SW Versions	Modules
<b>FT980m</b>	38.22.02x	5G
<b>FT980</b>	38.22.22x	5G

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## 1. INTRODUCTION

#### 1.1. Scope

This document describes how to use Web CM of the Telit FT980 family module, which allows you to check the device information and the network connection status and to change configurations. All the features and solutions detailed are applicable to all FT980 family variants, where "FT980 family" refers to the variants listed in the applicability table.

#### 1.2. Audience

This document is intended for Telit customers, especially system integrators, about to implement their applications using our FT980 family module.

#### 1.3. Contact Information, Support

For general contact, technical support services, technical questions and report documentation errors contact Telit Technical Support at:

• TS-APAC@telit.com

#### 1.4. Text Conventions



Danger – This information MUST be followed or catastrophic equipment failure or bodily injury may occur.



Caution or Warning – Alerts the user to important points about integrating the module, if these points are not followed, the module and end user equipment may fail or malfunction.



Tip or Information – Provides advice and suggestions that may be useful when integrating the module.

All dates are in ISO 8601 format, i.e. YYYY-MM-DD.

## 2. WEB CM ACCESS

#### 2.1. Access Method

User can connect to Web CM by using a web browser on PC via an Ethernet or USB cable connected to the device.

- 1. Start the web browser on your PC.
- 2. Enter "http://192.168.225.1" URL in your web browser to access to the Web CM.

```
← → C ☆ ⊗ http://192.168.225.1
```

3. Input your ID and password on the sign in page, and press the "Sign in" button.

(Initial ID : user / P	W:1234)
<b>Telit</b> WebCM	
Sign in to start your sess	sion
ID	-
PW	
	Sign In

4. In the first sign in, you must change the initial password and sign in again with your new password.

ssword Change	Device Setting / Password C
You can change the password to signi	n to the web.
If you change your password, you will	be required to enter the new password when you signin again.
Password should have one numeric, c between 8 to 15.	one lower case, one upper case letter and one special character, and password length should be
Current Password	
New Password	
Confirm New Password	
	Chan



You can change your password anytime in the "Device Settings > Password Change" menu.

#### 2.2. **Basic User Interface**

The user interface of Web CM is as follows.

Telit webcm	Connection State	e: 5G NR / Full service [Sub-6] RSRP: -44 dBm / RSR	Q: -11 dB / SNR: 37.5 dB	🖾 🖴 LANGUAGE 👻 🔒 user 👻
Device Information	Device Inform	nation		Device Information
🎎 Advanced Setting 🛛 👻				
O Firewall Setting	Model Name	F	APN	
O Router Setting	SW Version	r	IP	· · · · · · · · · · · · · · · · · · ·
🔅 Device Setting 🗸 🗸		· · · · · · · · · · · · · · · · · · ·		
O USIM Management	Network Name	CIT	Default DNS	· · · · · · · · · · · · · · · · · · ·
O Password Change	Connection	5G NR / Full service	Secondary DNS	
O Reset	State			·
O Data Usage	Connected Time	0:07:45	Subnet Mask / Prefix Length	
🌲 Upgrade	Phone Number	C1111 (1111)		
	IMEI	c:::::::::::::::::::::::::::::::::::::	Default Gateway	······
	IMSI	450051284392498	MTU	·····
	Signal Strength	[Sub-6] RSRP: -46 dBm / RSRQ: -11 dB / SNR:		·
	<b>- -</b>	37.0 dB	Memory Usage	139.9 MB / 223.8 MB
			Copyright © 2019	Telit Wireless Solutions Co., Ltd. All Rights Reserved.

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- 1. Status bar: Connection state, Received signal strength, Language selection and Account
- 2. Device Information : Equipment overview and network status
- 3. Advanced Setting
  - Firewall Setting : Allowed packets, IP filter
  - Router Setting : Private network setting, IP assignment, Port forwarding, DMZ hosting
- 4. Device Setting
  - USIM Management : ICCID, USIM card lock, Input PIN, Change PIN
  - Password Change : Change sign in password
  - Reset : Change all settings to factory defaults
  - Data Usage : Transmit and Receive size of packets
- 5. Upgrade : Current firmware information, Upgrade to the latest firmware version

## 3. DEVICE INFORMATION

User can check equipment overview information such as model name, software version and connection information with the network operator.

i Device Information	Device Inform	nation		Device Information
🗱 Advanced Setting 🛛 🛩	Model Name	[]	APN	
O Firewall Setting				
O Router Setting	SW Version	F	IP	· · · · · · · · · · · · · · · · · · ·
💠 Device Setting 🛛 🗸		1	Default DNS	
O USIM Management	Network Name	cii:	Default DN3	·
O Password Change	Connection	5G NR / Full service	Secondary DNS	
O Reset	State			······································
O Data Usage	Connected Time	0:07:45	Subnet Mask /	
🍰 Upgrade	Phone Number	C2220 (2000)	Prefix Length	·
	IMEI		Default Gateway	· · · · · · · · · · · · · · · · · · ·
	IMSI	450051284392498	MTU	
	Signal Strength	[Sub-6] RSRP: -46 dBm / RSRQ: -11 dB / SNR: 37.0 dB	Memory Usage	139.9 MB / 223.8 MB

- Medel Name : Displays device name.
- SW Version : Displays current firmware version.
- Network Name : Displays connected mobile network operator.
- Connection State : Displays connected radio access technology and service state.
- Connected Time : Displays how long the connection with the network.
- Phone Number : Displays subscriber phone number.
- IMEI : Displays device IMEI(International Mobile Equipment Identity).
- IMSI : Displays subscriber IMSI(International Mobile Subscriber Identity).
- Signal Strength : Displays received signal strength indicator from mobile network.
- APN : Displays APN(Access Point Name) between connected mobile network.
- IP : Displays public IP address assigned by mobile network.

- Default DNS : Displays default DNS(Domain Name System) address assigned by mobile network.

- Secondary DNS : Displays secondary DNS(Domain Name System) address assigned by mobile network.

- Subnet Mask / Prefix Length : Displays subnet mask in case of IPv4 and prefix length in case of IPv6 assigned by mobile network.

- Default Gateway : Displays default gateway assigned by mobile network.
- MTU : Displays MTU(Maximum Transmission Unit) size.
- Memory Usage : Displays current used memory size / maximum usable memory size.

## 4. ADVANCED SETTING

User can configure firewall setting and router setting.

### 4.1. Firewall Setting

Users can add, modify or remove IP filters. And then user can enable or disable firewall by choosing whether to accept or drop packets in that IP filter list.

1 Device Information	Firewall Sett	ing				Advance	ed Setting / Firewall Setting
😂 Advanced Setting 💙							
O Firewall Setting	Firewall Setting	Disabl	e 🌒 Enable				
O Router Setting	Packets Allowed	Setting Drop	Accept				
🔹 Device Setting 🛛 👻							Save
O USIM Management							
O Password Change	IP Filter						+
O Reset	IP		Src Mask(Src Prefix	Src	Dst	ICMP	ІСМР
O Data Usage	Direction Ve	ersion Address	Length)	Protocol Port	Port	Туре	Code
🌲 Upgrade							

- Firewall Setting : Enables or Disables firewall.
- Packets Allowed Setting : Chooses whether to accept or drop packets in IP filter list.
- IP Filter : Adds, Modifies or Removes the list of IP filters used by firewall.

Add Filter	×	Add Filter	×
Direction	Inbound 🗸	Direction Inbound ~	
IP Version	IPv4.	IP Version	
Src Address		Src Address	
Src Mask		Source prefix length	
Protocol	TCP V	Protocol TCP V	
Src Port		Src Port	
Src Port Range		Src Port Range	
Dst Port		Dst Port	
Dst Port Range		Dst Port Range	
Cancel	Save	Cancel	Save

- Save button : Sets the firewall configuration.

### 4.2. Router Setting

User can configure private network setting, IP assignment, port forwarding and DMZ hosting.

i Device Information	Router Setting	Advanced Setting / Router Setting
🛠 Advanced Setting 👻		
O Firewall Setting	Network Setting	
O Router Setting	IP Address 192 · 168 · 225 · 1	DHCP Server
🔹 Device Setting 🛛 🗸	Subnet Mask 255 . 255 . 0	DHCP Starting 192 . 168 . 225 . 20
O USIM Management	Subnet Mask 255 · 255 · 255 · 0	DHCP Starting 192 168 225 20   Address 20
O Password Change	Lease Time 720 Min	DHCP End 192 · 168 · 225 · 60
O Reset		Address
O Data Usage		Save
1. Upgrade	IP Assignment C	Port Forwarding +
	Remaining Name MAC Address IP Address Time	Internal External Internal Address Port Port Protocol
	······ 0	
	DMZ Hosting	
	On/Off Host IP	
		Save

- Network Setting : Configures private network setting for IP address assignment by DHCP(Dynamic Host Configuration Protocol) or manual configuration.

- IP Assignment : Displays assigned client name, MAC address, IP address and remaining lease time.

- Port Forwarding : Sets forwarding list to redirect a communication request from one address and port number combination to another while the packets are traversing a network gateway.

Add Port For	warding	×
Internal Address		
External Port		
Internal Port		
Protocol	ТСР	~
Cancel		Save

- DMZ Hosting : Sets to forward all packets from external network to a specific private IP.

## 5. DEVICE SETTING

User can manage USIM, change Web CM password, reset all settings to factory defaults and view transmit / receive size of packets.

### 5.1. USIM Management

User can configure USIM card lock, PIN / PUK unlock and PIN code change.

1 Device Information	USIM Management	Device Setting / USIM Management
😂 Advanced Setting 🛛 🗸		
O Firewall Setting	USIM Management	
O Router Setting		
🔹 Device Setting 🛛 👻	USIM Card Lock PIN Code 4-&-digit number	
O USIM Management	Pin Code 4~6-agit humber	
O Password Change		Confirm
O Reset		

- ICCID : Displays USIM ICCID(Integrated Circuit Card Identifier).

- USIM Card Lock : Sets USIM card lock or unlock. To lock up, select the toggle button to the "On" and input the PIN code, and then press the "Confirm" button. To unlock, select the toggle button to the "Off" and input the PIN code, and then press the "Confirm" button.

USIM Management		
ICCID	c=====;	
USIM Card Lock	PIN Code	
		Confirm

- Change PIN Code : Changes PIN code. The PIN code can be changed only in the locked state.

Change PIN Code	
Remaining Count	3
Current PIN Code	4~8-digit number
New PIN Code	4~8-digit number
Confirm New PIN Code	4~8-digit number
	Confirm



When USIM card lock is set, you must enter the PIN code on the USIM Management menu after connecting to Web CM each time the device is turned on.



If user enters incorrect PIN code 3 times, the USIM card will be locked. You need to enter PUK code to unlock it. If the incorrect PUK cdoe is entered ten times in a row, the USIM card will become permanently locked. Then, you must take valid certificates to the network provider to reissue a new SIM card.

## 5.2. Web CM Sign In Password Management

User can change the Web CM sign in password.

1 Device Information	Password Change Device Setting / Password Change	ge
🗱 Advanced Setting 🛛 🗸		
O Firewall Setting	You can change the password to signin to the web.	
O Router Setting	If you change your password, you will be required to enter the new password when you signin again.	
Device Setting	Password should have one numeric, one lower case, one upper case letter and one special character, and password length should be between 8 to 15.	
O USIM Management		
O Password Change	Current Password	
O Reset		
O Data Usage	New Password	
🏂 Upgrade	Confirm New Password	
	Change	

- Current Password : Inputs current password.
- New Password : Inputs new password.
- Confirm New Password : Inputs new password again to confirm it.



The initial password is "1234".



After changing the password, you must sign in again with the new password.

## 5.3. Factory Reset

User can reset all settings to factory defaults.

1 Device Information	Reset Device Setting / Reset
🗱 Advanced Setting 🛛 🗸	
O Firewall Setting	You can reset device settings to factory defaults.
O Router Setting	Click the execute button to execute the initialization.
🔅 Device Setting 🛛 👻	After initialization, the device will reboot.
O USIM Management	
O Password Change	Execute
O Reset	

- Execute button : Starts reset process.



Device will reboot after reset. You must need to reconnect to the Web CM after a while.

## 5.4. Data Usage

User can check the data usage on device.

i Device Information	Data Usage	De	evice Setting / Data Usage
🗱 Advanced Setting 🛛 🗸			
O Firewall Setting	Data usage is measured	at the device, so it may be different from the mobile network operator.	
O Router Setting			
🔹 Device Setting 🛛 👻	Usage		
O USIM Management	Transmit	383.7 KB	
O Password Change	Receive	3.2 MB	
O Reset			Reset
O Data Usage			
🏦 Upgrade			

- Usage : Shows the size of data sent and received. Press the "Reset" button to initialize the usage.



Data usage is measured at the device, so it may be different from the mobile network operator. You should contact the network operator for the exact usage.

## 6. UPGRADE

1 Device Information	Upgrade	Upgrade
🗱 Advanced Setting 🛛 🗸		
O Firewall Setting	Firmware Information	
O Router Setting	Current Software Information	
🔅 Device Setting 🛛 🗸		
O USIM Management		$\equiv$
O Password Change	Upgrade	
O Reset	The device will reboot after the firmware download. And the device will continue to progress the firmware upgrade.	
O Data Usage	Do not turn off the power or disconnect connection during the upgrade.	
🏦 Upgrade	In order to update a new WebCM page, it is necessary to initialize your web browser cache.	
		_
	Exec	tute

User can check current software information and upgrade the latest firmware version.

- Firmware Information : Displays current software version.

- Upgrade : Starts upgrade to the latest firmware manually. Press the "Execute" button to connect to the manufacturer's server, and device verifies that server has the new version and continues the upgrade.



Device will reboot after the firmware download and the device will continue to progress the firmware upgrade. You can reconnect to the Web CM after a while. In order to update a new Web CM page, it is necessary to initialize web browser cache.



When device is turned on, it will connect to the manufacturer's server automatically to check if there's the new software version. If you sign in to the Web CM, it will guide you to move to the Upgrade menu. If you press the "Execute" button, the device will start the upgrade.

## 7. GLOSSARY AND ACRONYMS

APN	Access Point Name
DHCP	Dynamic Host Configuration Protocol
DMZ	De-Militarized Zone
DNS	Domain Name System
ICCID	Integrated Circuit Card Identifier
IMEI	International Mobile Equipment Identity
IMSI	International Mobile Subscriber Identity
IP	Internet Protocol
MAC	Media Access Control
MTU	Maximum Transmission Unit
PIN	Personal Identification Number
RSSI	Received Signal Strength Indicator
PUK	Personal Unblocking Key
USIM	Universal Subscriber Identify Module
WEB CM	Web Connection Manager

## 8. DOCUMENT HISTORY

Revision	Date	Changes
Rev 1	2020-11-05	Initial release
Rev 2	2020-12-15	Fix index issue

# SUPPORT INQUIRIES

Link to **www.telit.com** and contact our technical support team for any questions related to technical issues.

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