### **DS-K1T502** Series Access Control Terminal

### **Release Notes (2024-07-22)**

Device Model: DS-K1T502DBFWX, DS-K1T502DBFWX-C, DS-K1T502DBWX,	Firmware Version	AIS_FRACS_502_F1pro_EN_STD_V1.9.0_build240716 AIS_FRACS_502_F1pro_EN_NEU_V1.9.0_build240716
DS-K1T502DBWX-C DS-K1T502DBWX-QR DS-K1T502DBWX-CQR Naming Rule: D for Desfire&M1 card B for Bluetooth, F for Fingerprint W for Wi-Fi, -C for Camera -QR for QR code	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/ hikcentral-access-control-v2-2-0/ Please add device to iVMS/HCP with port 80, the default port 8000 will not work

### **Reason of Upgrade**

Fix bugs, enhance product quality and meet customers' requirements

### **Modified Features**

1. Optimize remote fingerprint collection from hik-connect cloud portal.

# DS-K1T502 Series Access Control Terminal Release Notes (2024-07-05)

<b>Device Model:</b> DS-K1T502DBFWX, DS-K1T502DBFWX-C,	Firmware Version	AIS_FRACS_502_F1pro_EN_STD_V1.9.0_build240618 AIS_FRACS_502_F1pro_EN_NEU_V1.9.0_build240618
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DS-K1T502DBWX, DS-K1T502DBWX-C DS-K1T502DBWX-QR DS-K1T502DBWX-CQR Naming Rule: D for Desfire&M1 card B for Bluetooth, F for Fingerprint	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/ hikcentral-access-control-v2-2-0/ Please add device to iVMS/HCP with port 80, the default port 8000 will not work
W for Wi-Fi, -C for Camera		
-QR for QR code		

### **Reason of Upgrade**

Fix bugs, enhance product quality and meet customers' requirements

### **Modified Features**

2. Optimize NFC related function

## DS-K1T502 Series Access Control Terminal Release Notes (2024-05-15)

Device Model: DS-K1T502DBFWX, DS-K1T502DBFWX-C, DS-K1T502DBWX,	Firmware Version	AIS_FRACS_502_F1pro_EN_STD_V1.9.0_build240513 AIS_FRACS_502_F1pro_EN_NEU_V1.9.0_build240513
DS-K1T502DBWX-C DS-K1T502DBWX-QR DS-K1T502DBWX-CQR Naming Rule: D for Desfire&M1 card B for Bluetooth, F for Fingerprint W for Wi-Fi, -C for Camera -QR for QR code	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/ hikcentral-access-control-v2-2-0/ Please add device to iVMS/HCP with port 80, the default port 8000 will not work

### **Reason of Upgrade**

Fix bugs, enhance product quality and meet customers' requirements

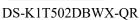
### **New Features**



 New model released: DS-K1T502DBWX-QR & DS-K1T502DBWX-CQR Model with QR contains QR code module



DS-K1T502DBWX-CQR



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2. Add new language:

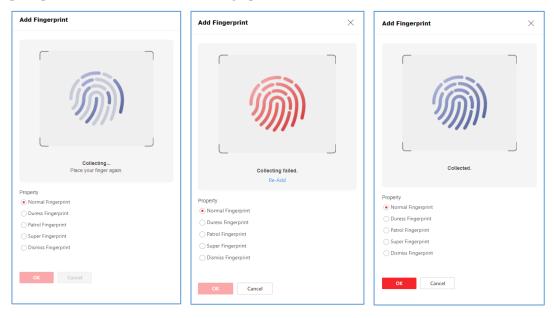
Arabic, English, French, Indonesian, Italian, Portuguese (Brazil), Russian, Spanish (Europe), Thai, Ukrainian, Vietnamese, German, Polish, Hungarian, Czech, Romanian, Bulgarian, Croatian, Serbian, Greek, Slovak, Portuguese, Dutch, Turkish and Hebrew (Hebrew is newly supported)

- 3. Supports open door via Bluetooth using Hik-Connect APP. It takes 1-2s to open door (requirement: latest version of Hik-Connect APP)
- 4. Support open door via NFC function of Hik-Connect APP (requirement: latest version of Hik-Connect APP )
- 5. Supports Hik-Connect team mode QR code recognition (requirement: model with QR and latest version of Hik-Connect APP)
- 6. Supports modify name of device on indoor station (model with C)
- 7. Supports audio equalization function, optimize audio output quality

HIKVI	SION® Access Control		Person Manageme	nt Device Management	System and Maintenance
٥	Local	Video Audio			
System onfiguration	System ^	Stream Type	Main Stream Sub-stream		
aintenance	System Settings	Audio Encoding	G.711ulaw		
⊕ Safe	User Management	Input Volume		10 👙	
Sate	Network ^	Output Volume			
	Network Service	Enable Voice Prompt			
	Device Access	Audio Equalization			
	Video/Audio				
	Image		Save		
	Event ^				
	Event Detection				
	Alarm Setting				
*	Access Configuration				

### **Modified Features**

- 1. When powered on, indicator will be red to show power status.
- 2. Fingerprint collection progress optimization: when remote collecting fingerprint, there will be UI prompt about success or failure of fingerprint collection result on PC or mobile web client.



3. Supports to configure alarm output active duration

HIKVI	ISION® Access Control			Person Management	Device Management	System and Maintenance
۰	Local	Alarm Output				
System Configuration	System	No	1			
도 Maintenance	System Settings	Alarm Name				
Ð	User Management	Alarm Duration	Continuous Alarm	Custom Alarm Duration		
Safe	Network	Custom	3		s 🖒	
	Network Settings					
	Network Service		Save			
	Device Access					
	Video/Audio					
	Image					
	Event					
	Event Detection					
	Alarm Setting					
*	Access Configuration					

4. Supports new style of web client



VISION® Access Control					Person Management Device Management System and Maint	tenance 🦪 🎲 🛈 admin
Door Status	Real-Time Event					View Mon
	Employee ID	Name	Card No.	Event Types	Time	Operation
·· ()				Remote: Logout	2024-05-15 08:51:40	
				Remote: Login	2024-05-15 08:21:38	
door1				Remote: Logout	2024-05-15 08:20:59	
				Remote: Login	2024-05-15 07:50:58	
25				Remote: Logout	2024-05-15 07:50:23	
Controlled				Remote: Login	2024-05-15 07:20:17	
				Remote: Logout	2024-05-15 07:19:42	
Link Device	Door Station				Indoor Station	View Mc
Link Device						View Mo
Link Device Person Information		C Offline			Indoor Station 0 O Offline	Vew Mo
		C Offline		Anned O Net Added 1	Indoor Station 0 O Offline	Viendo
Person Information		C Offline		O     Not Added	Indoor Station 0 O Offline	- Veen Nor

5. Supports remote verification function

HIKVI	'SION®	Access Contro	1				
ত্র	Door Pa	rameters	Authentication Settings	Card Settings	Linkage Settings	Terminal Parameters	Privacy Settings
Overview	Working	Mode					
R ivent Search		Working N	Node	de 🛈			
Parameter Settings	Remote V	erification					
Call Settings	G	) Remote Verific	ation				
<del>zan Se</del> tungs			Save				

### **DS-K1T502** Series Access Control Terminal

### **Release Notes (2023-07-20)**

Device Model: DS-K1T502DBFWX, DS-K1T502DBFWX-C, DS-K1T502DBWX,	Firmware Version	AIS_FRACS_502_F1pro_EN_STD_V1.7.3_build230627 AIS_FRACS_502_F1pro_EN_NEU_V1.7.3_build230627
DS-K1T502DBWX-C Naming Rule: D for Desfire&M1 card	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/hikcent ral-access-control-v2-0-1/
B for Bluetooth F for Fingerprint W for Wi-Fi C for Camera		Please add device to iVMS/HCP with port 80, the default port 8000 will not work

### **Reason of Upgrade**

Fix bugs, enhance product quality and meet customers' requirements

### **New Features**

- 1. Optimize event linking video recording in this DST duration
- 2. Support modify and display device name in video indoor station

## DS-K1T502 Series Access Control Terminal Release Notes (2023-05-20)

Device Model: DS-K1T502DBFWX, DS-K1T502DBFWX-C, DS-K1T502DBWX,	Firmware Version	AIS_FRACS_502_F1pro_EN_STD_V1.7.3_build230512 AIS_FRACS_502_F1pro_EN_NEU_V1.7.3_build230512
DS-K1T502DBWX-C Naming Rule: D for Desfire&M1 card B for Bluetooth	Software	HikCentral AC: https://www.hikvision.com/en/support/download/software/hikcent ral-access-control-v2-0-1/
F for Fingerprint W for Wi-Fi C for Camera		Please add device to iVMS/HCP with port 80, the default port 8000 will not work

### **Reason of Upgrade**

Fix bugs, enhance product quality and meet customers' requirements

### **New Features**

1. When authenticate with QR code, upload QR code event to software(it was card event before)

## DS-K1T502 Series Access Control Terminal Release Notes (2023-04-27)



Device Model: DS-K1T502DBFWX, DS-K1T502DBFWX-C, DS-K1T502DBWX,	Firmware Version	AIS_FRACS_502_F1pro_EN_STD_V1.7.3_build230419 AIS_FRACS_502_F1pro_EN_NEU_V1.7.3_build230419
DS-K1T502DBWX-C Naming Rule: D for Desfire&M1 card B for Bluetooth	-	HikCentral AC: https://www.hikvision.com/en/support/download/software/hikcent ral-access-control-v2-0-1/
F for Fingerprint W for Wi-Fi C for Camera		Please add device to iVMS/HCP with port 80, the default port 8000 will not work

### **Reason of Upgrade**

Fix bugs, enhance product quality and meet customers' requirements

### **New Features**

- 1. PIN Code supports switching between platform mode and local mode
  - Notice :

Open web client, go to Configuration-Security-Password mode to switch PIN Code mode. In platform mode, cannot edit PIN Code on web client, it needs to be set on platform. In local mode, can edit PIN Code on web client and PIN code set by platform is invalid.

Card	Up to 5 cards can be supported.	
	+ Add Card	
Fingerprint	Up to 10 fingerprints are allowed.	
	+ Add Fingerprint	
Password		
	diting the password is not allowed. You can go to Security > Password Mode to switch to Device Password mode and edit.	

2. Support motion detection event and notify event to surveillance center(only model with camera)

	S <i>ION</i>		Motion	Linkage Settings		2
回 Overview	System	~				
Person Management	Network	~		Motion		
	Video/Audio			Parameter Settings		
Event Search	Image			Sensitivity	D	
Device	Event	۵		Schedule		
Management	Event Detection			Schedule	Modify	
¢ Configuration	Access Control				Houry	6
1.1.1	Intercom			Linkage Settings		
(L) Maintenance and Security	Card Settings			Notify Surveillance Center		
	Security			HTTP		
	Smart				Save	

3. Support one more new language: Turkish



4. Support switch network connection priority for ISUP and Hik-Connect

										_
HIKVI.	SION									
ē	Local		ISUP	Hik-Connect	VoIP					
Overview	System	~				_				
Q Person	Network	^			Enable				Custom	
Management	Network Settings				Address					
हि Event Search	Network Service				ion Code QR Code	View			¢۵	
ē	Device Access				er Status	S Offline Refree	sh			
Device Management	Video/Audio			-		More 🗸				
٥	Image			Network Connection	n Priority	Туре	Allow Access	Access Priority	Operation	
Configuration	Event	~				Wired Network		1	Ξ	
Maintenance and Security	Access Control					WLAN Drag the icon upward or	downward to adjust the network	2 c priority.	≡	
	Intercom					Save				
	Card Settings					Save				
	Security									
	0									

- 5. Support remote enroll card number via mobile web client
- 6. Support upload capture picture to Hik-Connect app when calling Hik-Connect app directly

### **Optimization**

- 1. Support standard SIP server : *Brekeke*, *miniSipServer*, *FreePBX*, *Asterisk*, *3CX*, *ELASTIX*, *PBX ware*. In above servers, these 4 are newly added in this version: *Asterisk*, *3CX*, *ELASTIX*, *PBX ware*.
- 2. Calling duration is fixed Max. 60s
- 3. Support upload device name to live view interface of indoor station or main station
- 4. Reverse access event display order on overview page, the latest event is displayed on first line

# DS-K1T502 Series Access Control Terminal Release Notes (2022-12-26)

<b>Device Model:</b>					
DS-K1T502DBFWX,	Firmware	AIS_FRACS_502_F1pro_EN_STD_V1.7.2_build221219.zip			
DS-K1T502DBFWX-C,	Version	AIS_FRACS_502_F1pro_EN_NEU_V1.7.2_build221219.zip			
DS-K1T502DBWX,					
DS-K1T502DBWX-C		HikCentral AC:			
Naming Rule:	Software	https://www.hikvision.com/en/support/download/software/hikcent			
D for Desfire&M1 card	Sonware	ral-access-control-v2-0/			
B for Bluetooth					



F for Fingerprint	iVMS:
W for Wi-Fi	https://www.hikvision.com/en/support/download/software/ivms42
C for Camera	<u>00-series/</u>
	Please add device to iVMS/HCP with port 80, the default port
	8000 will not work

### **Reason of Upgrade**

Fix bugs, enhance product quality and meet customers' requirements

### **New Features**

7. Support AP hotspot mode to simplify user operation. It supports to use web browser of smart phone or Hik-connect app to activate and setup configuration for the device.

Activation English	
User Name admin	
Password	8
	_
Confirm Password	Ø
Activation	
When using the product, please respect other rights of others.	the privacy and
HIKVISION®	

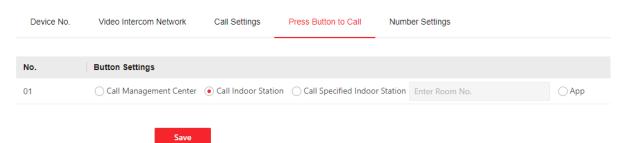
8. Newly designed web page with modular display of function

	Real-Time Ever	nt				View Mc
	Employee ID	Name	Card No.	Event Types	Time	Operation
Hard I				Remote: Login	2022-12-26 14:59:55	
R R				Remote Login: Locked	2022-12-26 14:54:16	
door1				IP Address Conflicted	2022-12-26 14:52:40	
				IP Address Conflicted	2022-12-26 14:51:40	
				IP Address Conflicted	2022-12-26 14:50:40	
Controlled				Remote Operation: Activate Device	2022-12-26 14:50:30	
				Remote: Login	2022-12-26 14:50:30	
	O E	Online 0 Offine 0			Index Station 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
					Added	
Person Information						
Person Information Person 0			dded		@ 0	

- 9. Support 12 more new languages: German, Polish, Hungarian, Czech, Romanian, Bulgarian, Croatian, Serbian, Greek, Slovak, Portuguese (standard), Dutch
- 10. Support auto open door mode when using Bluetooth to open door. This function need to be used with HCC app or HCAC app
- 11. Support H.265 encoding mode

### **Optimization**

5. Press calling button, it can call one of these objects: Management center, Indoor station, Specified Indoor Station, or Hik-connect App. This function is the same as MinMoe series



- 6. Optimize video intercom volume performance
- 7. Support the following SIP servers: Brekeke, miniSipServer, FreePBX
- 8. Support QR code function after enabling QR code

HIKVI	SION						
國	System	^	Authentication Settings	Door Parameters	Elevator Control Parameters	s RS-485	Wiegand Setting:
Overview	System Settings						
Person	User Management		Tee	Terminal 1	2		
Management	Network	~		ninal Model DS-K1T			
हिते Event Search	Video/Audio		Enable Authentica	tion Device	)		
	Image		Aut	thentication Finger	rprint or Card		~
Device Management	Event	~	<ol> <li>Authenticat</li> </ol>	tion Interval 0			s 🗘
Configuration	Access Control		① Alarm of Max. Faile		)		
	Intercom		Tamperin	g Detection			
ন্দ্র Maintenance and Security	Card Settings		③ Card No.	QR Code			
	Security						
	Smart			Sa	we		

9. Optimize smart phone web page design





10. Fix some known bugs

## DS-K1T502 Series Access Control Terminal Release Notes (2022-07-22)

<b>Device Model:</b> DS-K1T502DBFWX, DS-K1T502DBFWX-C,	Firmware Version	AIS_FRACS_502_F1pro_EN_STD_V1.7.1_build220719 AIS_FRACS_502_F1pro_EN_NEU_V1.7.1_build220719		
DS-K1T502DBWX,	Software	HikCentral AC:		
DS-K1T502DBWX-C		https://www.hikvision.com/en/support/download/software/hikcent		
Naming Rule:		ral-access-control-v1-3-0/		
D for Desfire&M1 card		iVMS:		
B for Bluetooth		https://www.hikvision.com/en/support/download/software/ivms42		
F for Fingerprint		00-series/		
W for Wi-Fi		Please add device to iVMS/HCP with port 80, the default port		
C for Camera		8000 will not work		

### **Reason of Upgrade**

New model DS-K1T502 series access control terminals first time released.



### **New Features**

- 1. High Protective level: IP65 & IK09 protections, as well as increased stability with zinc alloy materials
- 2. All-in-one: Manage access control, video intercoms, and video security with one device

- 3. Multiple authentication methods, including fingerprint, card, PIN code etc.
- 4. Remote control via the Hik-Connect mobile app
- 5. Support web configuration
- 6. Capacity
- 7. ISAPI protocol makes it easier to integrate with third-party software;
- 8. Remote video intercom and unlock door from Hik-Connect App on your mobile/Pad
- 9. Support ISUP 5.0(EHome 5.0) protocol to manage devices located in different location;

#### 10. Network

Support TCP/IP and Wi-Fi, Bluetooth, adapt to LAN (network) or WAN (ISUP 5.0) network environment

*Note*: Bluetooth function is used to connect mobile APP to unlock the door, the APP will be released in 2022Q4

#### 11. Function

 a. Video intercom with indoor/main station, hik-connect mobile app and iVMS4200/HikCentral; For apartment situation (both DS-K1T502 and indoor station are available), we recommend to add indoor station to hik-Connect only (do not add DS-K1T502 to Hik-Connect).
 Note: If you add DS-K1T502 to Hik-Connect, it will call indoor station and Hik-Connect at the same time and you can answer from anyone of them.

For situation that indoor station is not available in the system, you can add DS-K1T502 directly to Hik-Connect

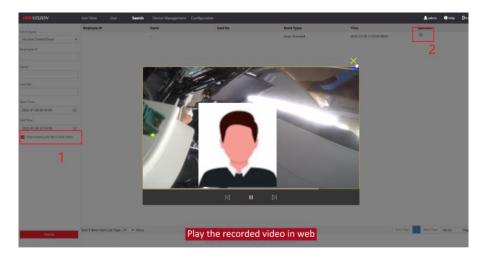
b. Event linkage short video stored inside TF card (max 256GB supported), and search and play

	Finger	Card	Event	Bluetooth	Wi-Fi	Camera
	print					
DS-K1T502DBFWX	10,000	100,000				N/A
DS-K1T502DBFWX-C	10,000	(Desfire card,	300,000	Support	Support	Support
DS-K1T502DBWX	N/A	M1 card)				N/A
DS-K1T502DBWX-C						Support

the video in event history.

HIKVISION		Search Device Managemen	t Configuration	
🖵 Local	Event Linkage Recording			
🖽 System 🛛 🗸	+ Add 🗎 Delete	Event Source		
A Network     V	Add New Event and Card Linkage			
🖾 Video/Audio		Linkage Type	● Event Linkage ○ Card Linkage ○	Employee ID Linkage
🖾 Image		Event Types	Card Reader Event 🗸	Duress Alarm 🗸
🖻 Event 🛛 ^		Card Reader	Card Reader1 ~	Duress Alarm Card Reader Tampering Alarm Card Reading Failed Attempts Reach Limit
Basic Event		Linked Action		No Access Permission Assigned Card is invalid currently.
🔹 General		Linked Door		Expired Card 12 Legal Card Authentication Passed Card Number not Exist
💄 Intercom		Linked Alarm Output		Authenticated via Fingerprint Fingerprint Authentication Failed
Access Control		Capture Linkage		Authenticated via Card Fingerprint and Password Authentication via Card Fingerprint and Password Failed Authentication via Fingerprint and Password Timed Out
₽ Smart		Trigger Recording		Authenticated via Fingerprint and Password Authentication via Fingerprint and Password Failed Authentication via Fingerprint and Password Timed Out Passwords Mismatch Combined Authentication Passed Combined Authentication Timed Out
			Save	Authentication Mode Mismatched





### **Customer Impact and Recommended Action**

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action. For any questions and request for this firmware, please contact our local technical support team.

#### Note:

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are available on request.
- Hikvision is not liable for any typing or printing errors.

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