## DS-K1T342 Series MinMoe V3.16.1\_build240701

## **Release Notes (2024-07-09)**

Device Model: DS-K1T342E(W)X, DS-K1T342EFWX, DS-K1T342M(W)X,DS-K1T342MF(W)X, DS-K1T342D(W)X DS-K1T342E(W)X-E1, DS-K1T342EFWX-E1,	Firmware Version	ARM: ACS_342_F1pro_EN_NEU_V3.16.1_build240701 ACS_342_F1pro_EN_STD_V3.16.1_build240701 Note: POE version and non-PoE version use same firmware
DS-K1T342M(W)X-E1,DS-K1T342MF(W)X-E1, DS-K1T342D(W)X-E1 Naming Rule: D for Desfire card, Felica card and M1 card M for M1 card, F for fingerprint, W for Wi-Fi E1 for POE	Software	HikCentral AC: https://www.hikvision.com/en/support/download/s oftware/hikcentral-access-control-v2-2-0/

#### **Reason of Upgrade**

Enhance products quality and meet customers' requirements.

#### **Modified features**

1. Optimize the fingerprint collection and synchronization function from Hik-Connect cloud.

# DS-K1T342 Series MinMoe V3.16.1\_build230802 Release Notes (2023-08-22)

Device Model:		ARM:
DS-K1T342E(W)X, DS-K1T342EFWX,		ACS_342_F1pro_EN_NEU_V3.16.1_build230802
DS-K1T342M(W)X,DS-K1T342MF(W)X,	Firmware	ACS_342_F1pro_EN_STD_V3.16.1_build230802
DS-K1T342D(W)X	Version	
		Note: POE version and non-PoE version use same
DS-K1T342E(W)X <mark>-E1</mark> , DS-K1T342EFWX <mark>-E1</mark> ,		firmware
DS-K1T342M(W)X <mark>-E1</mark> ,DS-K1T342MF(W)X <mark>-E1</mark> ,		HikCentral AC:
DS-K1T342D(W)X <mark>-E1</mark>	Software	https://www.hikvision.com/en/support/download/s
		oftware/hikcentral-access-control-v2-0-1/



Naming Rule:	
D for Desfire card, Felica card and M1 card	
M for M1 card, F for fingerprint, W for Wi-Fi	
E1 for POE	

#### **Reason of Upgrade**

DS-K1T342 PoE Series are released for the first time.

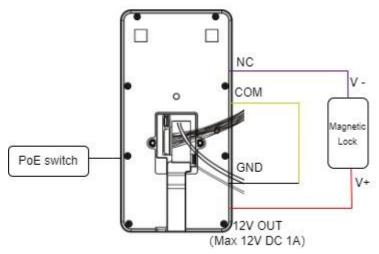


#### **New Features**

- 2. Max.1500 faces capacity, Max.3000 fingerprints capacity (model with F only), and Max.3000 cards
- 3. 4.3-inch LCD touch screen, 2 Mega pixel wide-angle lens, built-in EM/M1/Desfire card reading module
- 4. Two-way audio with iVMS/HikCentral software, indoor station, main station and Hik-Connect App; Supports TCP/IP, Wi-Fi (model with W only)
- 5. Configuration via the web client and enroll face picture with mobile phone camera.
- 6. Face Recognition Distance: 0.3 m to 1.5 m; Duration < 0.2 s/User; Accuracy rate  $\geq 99\%$
- 7. IP65 protection level
- 8. Power supply by standard PoE(af) and at the same time powers supply for door lock (max 12 VDC/1 A)

K1T342-E1 series





**Note:** Only when device is powered by PoE, it will have power output for the lock, if the device is powered with 12V DC adapter, please power the lock with power adapter.

9. Supports platform-applied personal PIN and device-set personal PIN.

## **DS-K1T342** Series MinMoe Terminal

## V 3.16.1\_build230802 Release Notes (2023-08-08)

Device Model:		ARM:
DS-K1T342EX, DS-K1T342EWX	Firmware	
DS-K1T342EFWX,	Version	ACS_342_F1pro_EN_NEU_V3.16.1_build230802
DS-K1T342MX, DS-K1T342MWX		ACS_342_F1pro_EN_STD_V3.16.1_build230802
DS-K1T342MFX, DS-K1T342MFWX		HikCentral AC:
DS-K1T342DX, DS-K1T342DWX		
Naming Rule:	Software	https://www.hikvision.com/en/support/download/s
D for Desfire card, Felica card and M1 card		oftware/hikcentral-access-control-v2-0-1/
M for M1 card, F for fingerprint, W for Wi-Fi		

#### **Reason of Upgrade**

Add new function, fix bugs, enhance products quality and meet customers' requirements.

#### New Features

1. User friendly web design



Door Status	Real-Time Event					View
	Employee ID	Name	Card No.	Event Types	Time	Operatio
	12			Remote: Login	2023-08-08 11:33:59	
	#		(44)	Local: Login	2023-08-08:11:31:33	++
Door1		(11)	-	Remote: Login	2023-08-08 11:00:56	
			-	Local: Login	2023-08-08 10:50:58	
	44 1			Local: Login	2023-08-08 10:50:07	
Controlled				Remote: Login	2023-08-08 10:41:48	
	77			Remote: Login	2023-08-08 10:37:40	
Person Information Person 2	(:	X	Added O Not Added		Added O Not Added	
Person	(3	E	0		- 0	
Person	(	×	0 Not Added		O     Not Added	
Person 2	Connected		0 Not Added 2 Basic Information Model	342DWX	0 Not Added 2	<b>2</b> /1500
Person 2 Network Status	S Wireless Netwo		0 Not Added 2 Basic Information Basic Information DS-K1T Serial No		Device Capacity	<b>2</b> /1500 <b>0</b> /1500

2. PIN Code supports switching between platform applied personal PIN mode and device set personal PIN mode

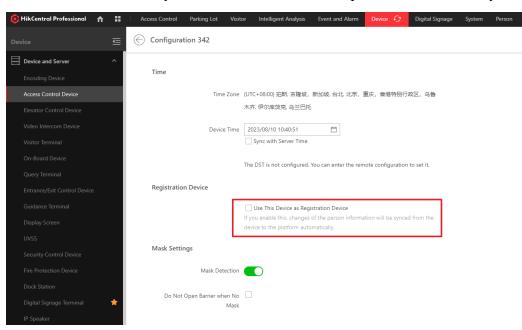
Notice :

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

HIKVI.	SION <sup>®</sup>				
<u></u>	System		Privacy Settings	Password Mode	_
Overview	System Settings			Password Mode	Platform-Applied Personal PIN ()
Person Management	User Management				O Device-Set Personal PIN (i)
Ē	Network	~			Save
Event Search	Video/Audio				
Configuration	Image				
٩	Access Control				
Maintenance and Security	Intercom Card Settings				
	Platform Attendance				
	Security				
	Smart				
	Preference				

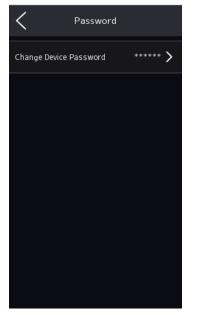
- 3. Support sync person information to platform automatically Notice:
  - a. Platform requirement: HCP V2.4.1 or HCAC V2.1.1
  - b. Only ISAPI or ISUP protocol supported
  - c. Need to set up on platform first. If you enable this function , changes of the person





information will be synced from the device to the platform automatically

4. Supports modifying device password locally



5. Supports enable M1 encryption locally



Access Control Settings	
Terminal Auth. Mode	>
Reader Auth. Mode	>
Enable NFC Card	
Enable M1 Card	
M1 Card Encryption	•
Door Contact Remain Clos	sed >
Open Duration (sec)	5 >
Authentication Interval (sec)	• >
Authentication Result Display	5 <b>&gt;</b>

6. Support modify I frame interval (NTSC 30 or PAL 25) both on web and local menu.

HIKVI	ISION®				
<u>ja</u>	System	Video	Audio		
Overview	System Settings		Camera Name	G66412896	
Person Management	User Management		Stream Type	Main Stream Sub-stream	
Ē	Network	~	Video Type	◯ Video Stream ● Video&Audio	
Event Search	Video/Audio		Resolution	1920*1080	$\sim$
Configuration	Image		Bit Rate Type	Constant Variable	
R	Access Control		Video Quality	Low	
Maintenance and Security	Intercom		Frame Rate		fps
	Card Settings		*Max. Bitrate	2048	 bps
	Platform Attendance		Video Encoding		
	Security		*I Frame Interval		$\hat{\diamond}$
	Smart				
	Preference			Save	

7. Supports 2 anti-spoofing detection level: **General** and **Advanced**. It supports to customize anti-spoofing threshold in advanced settings



HIKVI	ISION®									
	2.0.1									
<u>ن</u>	System	^	Smart	Area Confi	guration					
Overview	System Settings									
2			Face Reco	gnition Para	ameters					
Person Management	User Management									
	Network	~		Face An	ti-spoofing					
Event Search			(i) Anti	-Spoofing Dete	ction Level	• General 🛛 Adva	nced			
Event Search	Video/Audio			Description	Distance					
E.	Image			Recognitio	n Distance	• Auto ighting 0.5m	○ 1m ○ 1.5r	m ()2m		
Attendance Report				F	Pitch Angle	45				• 🗘
с.	Access Control					15				• ^
Time and	Intercom				Yaw Angle	45				• 🗘
Attendance			Face Picture	Quality Grade	for Appl			(	50	$\hat{\mathbf{Q}}$
o	Card Settings							_		
Configuration	Platform Attendance			1:1 Matching	Threshold			0	90	$\hat{}$
ey	<b>O</b> = <b>1</b> th			1:N Matching	Threshold			0	90	$\hat{}$
	Security									
and Security	Smart		Face F	Recognition Tim	eout Value	3				s 关
	Attendance		Eingorprir	t Parameter						
	Altendarioe									
	Preference					Save				
<u>6</u>	Maintenance		Restart Upg	jrade Bao	ckup and Rese	t Device Debugging	Log	Advanced Sett	ings	
Overview	0									
8	Security		Biometrics							
Person Management			Custom Anti Co	oofing Detection						
<b>1</b>			Custom Anti-Sp	oofing Detection						
Event Search			Anti-Spoofing	Detection Level	General					
			Anti-Spoofing Dete	ection Threshold			<u> </u>	- 72		
ද <u>ි</u> දි Configuration			Anti-Spoofing Dete	ection Thresh				- 67 🗘		
					_			<u> </u>		
Maintenance			<ol> <li>Lock Face for Anti-</li> </ol>	-Spoofing Pro						
and Security				Lock Duration	5			min 💲		
			Cancel Locking Face f	or Anti-Spoofi	Unlock					
					If the device is	locked, click the button to	unlock.			

- 8. Supports QR code 2.0
- 9. Support capture network package on web client

HIKVI	ISION®						
জ	Maintenance	Restart	Upgrade	Backup and Reset	Device Debugging	Log	Advanced Settings
Overview	Security	SSH					
Person Management			Enable	SSH			
Event Search		Print Log	Print	Log Export			
{်္ပို့ Configuration		Capture Ne	twork Packet	Log			
Maintenance and Security		C	Capture Packet Dura	60			s 🖒
			Capture Packet	Size 16			мв 🗘
			Start Cap	ture Start Capture			
				Save			

# DS-K1T342 Series MinMoe Terminal Release Notes (2022-03-09)

Device Model: DS-K1T342EX, DS-K1T342EWX DS-K1T342EFWX, DS-K1T342MX, DS-K1T342MWX	Firmware Version	ARM: ACS_342_F1pro_EN_STD_V3.3.5_build220210 ACS_342_F1pro_EN_NEU_V3.3.5_build220210
DS-K1T342MFX, DS-K1T342MFWX DS-K1T342DX, DS-K1T342DWX	SDK	Latest baseline version
Naming Rule:	iVMS-	
D for Desfire card, Felica card and M1 card	4200	Latest baseline version
M for M1 card, F for fingerprint, W for Wi-Fi	Version	

#### Reason of Upgrade

Add new function, fix bugs, enhance products quality and meet customers' requirements.

#### **Modified features**

1. Fix the problem that the device cannot wake up occasionally after running for a long time;

## **DS-K1T342** Series MinMoe Terminal

## **Release Notes (2022-01-04)**

Device Model:		ARM:
DS-K1T342EX, DS-K1T342EWX	Firmware	
DS-K1T342EFWX,	Version	ACS_342_F1pro_EN_ <b>STD</b> _V3.3.5_build211229
DS-K1T342MX, DS-K1T342MWX		ACS_342_F1pro_EN_NEU_V3.3.5_build211229

DS-K1T342MFX, DS-K1T342MFWX DS-K1T342DX, DS-K1T342DWX	SDK	Latest baseline version
Naming Rule:	iVMS-	
D for Desfire card, Felica card and M1 card	4200	Latest baseline version
M for M1 card, F for fingerprint, W for Wi-Fi		

#### **Reason of Upgrade**

Add new function, fix bugs, enhance products quality and meet customers' requirements.

#### **Modified features**

- 2. Update the driver to be compatible with the new fingerprint module;
- 3. Fixed some issues about ISAPI protocol;

# DS-K1T342 Series MinMoe Terminal Release Notes (2021-12-10)

Device Model: DS-K1T342EX, DS-K1T342EWX DS-K1T342EFWX, DS-K1T342MX, DS-K1T342MWX	Firmware Version	ARM: ACS_342_F1pro_EN_STD_V3.3.5_build211122 ACS_342_F1pro_EN_NEU_V3.3.5_build211122	
DS-K1T342MFX, DS-K1T342MFWX DS-K1T342DX, DS-K1T342DWX	SDK	Latest baseline version	
Naming Rule:	iVMS-		
D for Desfire card, Felica card and M1 card	4200	Latest baseline version	
M for M1 card, F for fingerprint, W for Wi-Fi	Version		

#### **Reason of Upgrade**

Add new function, fix bugs, enhance products quality and meet customers' requirements.

#### **Modified features**

- 4. Optimize the display of Hik-Connect QR code in the UI background;
- 5. Repair some protocol issues;

## DS-K1T342 Series MinMoe Terminal Release Notes (2021-11-12)

Device Model: DS-K1T342EX, DS-K1T342EWX DS-K1T342EFWX, DS-K1T342MX, DS-K1T342MWX	Firmware Version	<b>ARM:</b> ACS_342_F1pro_EN_ <b>STD</b> _V3.3.5_build211110 ACS_342_F1pro_EN_ <b>NEU</b> _V3.3.5_build211110
DS-K1T342MFX, DS-K1T342MFWX DS-K1T342DX, DS-K1T342DWX	SDK	Latest baseline version
Naming Rule: D for Desfire card, Felica card and M1 card	iVMS-	
M for M1 card, F for fingerprint, W for Wi-Fi	4200 Version	Latest baseline version

#### **Reason of Upgrade**

Add new function, fix bugs, enhance products quality and meet customers' requirements.

#### **Modified features**

1. Update the driver to be compatible with new fingerprint materials;

## **DS-K1T342 Series MinMoe Terminal**

## **Release Notes (2021-10-25)**

Device Model: DS-K1T342EX, DS-K1T342EWX DS-K1T342EFWX, DS-K1T342MX, DS-K1T342MWX	Firmware Version	ARM: ACS_342_F1pro_EN_STD_V3.3.5_build211014 ACS_342_F1pro_EN_NEU_V3.3.5_build211014		
DS-K1T342MFX, DS-K1T342MFWX DS-K1T342DX, DS-K1T342DWX	SDK	Latest baseline version		
Naming Rule:	iVMS-			
D for Desfire card, Felica card and M1 card	4200	Latest baseline version		
M for M1 card, F for fingerprint, W for Wi-Fi	Version			



#### **Reason of Upgrade**

New model DS-K1T342 series MinMoe terminal first time released.



#### **New Features**

- 1. 4.3 inch LCD touch screen, 2 MP wide-angle dual-lens camera; IP65 protection level;
- 2. Connect external card reader or access controller via RS485 protocol; support Wiegand26/34 output
- 3. Face recognition duration < 0.2 s/User; face recognition accuracy rate  $\geq$  99%

Model	Face	Card	Fingerprint	Event	Wi-Fi
DS-K1T342EX			Not support		Not support
DS-K1T342EWX		3,000(EM)	Not support		Support
DS-K1T342EFWX			3,000	150,000	Support
DS-K1T342MX	1,500		Not support		Not support
DS-K1T342MWX			Not support		Support
DS-K1T342MFX		3,000(M1)	3,000		Not support
DS-K1T342MFWX			3,000		Support
DS-K1T342DX	1,500	3,000	Not support	150,000	Not support
DS-K1T342DWX		(Desfire, Felica, M1)	Not support		Support

#### 4. Face, card, fingerprint, event capacity

- 5. **ISAPI** protocol makes it easier for integration with third-party software;
- 6. Remote video intercom and unlock door from Hik-Connect App on your mobile/Pad
- 7. Support Hik-ProConnect platform to realize Cloud access control and time attendance management
- 8. Support ISUP 5.0 protocol to manage devices located in different locations;
- 9. When open device for the first time, wizard for activation and basic configuration. Including select language, application mode, select and configure network, Hik-Connect, privacy settings, add administrator face and card
- 10. Self-defined shortcut key (Call Room, Call Center, Call Specified Room, Call App and Password) on main interface;



←]	Menu				
	_	_	<	Shortcut Key	
2	7		Call		
User	ACS	T & A	Call Type		Call Room 〉
( <u>(</u> 1))	<b>\$</b>		Password		
Comm.	Basic	Biometrics	QR Code		
<u> </u>	Y	<b>?</b>			
Data	Maint.	Preference			

1

ISUP Key

ISUP

5.0 **>** 

N1 >

IP >

٥ >

>

>

0.0.0.0 >

11. Configure ISUP and Hik-Connect parameter in device local menu

K Hik-Connect	Protocol Version
	Central Group
Hik-Connect	Main Channel
Server IP litedev.hik-connect.com	ISUP
	Address Type
Verification Code hik12345 >	IP
	Port
	Device ID

12. Login and configure device in web client via PC

browser



# Image: Definition of the second se

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#### 13. Support audio file import and replace the default voice prompt

Note: imported file format

wav format, mono, sampling rate 8K or 16K, size no more than 512K

HIKVISION		L	ive View	User	Search	Configu	uration			
🖵 Local		Video	Audio	Prompt	_					
🗄 System	~									
Network	~		Prompt							
🗂 Video/Audio				Prompt	⊖ TTS		<ul> <li>Cust</li> </ul>	tom Prompt Importing		
🖾 Image			Custom Pro	mpt						
Schedule	~			Custom Type	Calling Center		~		Import	
🔹 General										
Juntercom			Custom Ty	/pe				Importing Status	Operation	
Access Control			Calling Cer	nter				Not Imported		
Ω Smart			The Call Is	Refused.				Not Imported		
			Nobody A	nswered				Not Imported		
🖾 Theme			Please Try	Again Later				Not Imported		
			Thanks					Not Imported		
			Authentica	ting Failed				Not Imported		
			Authentica	ited				Not Imported		
			The Door I	s Open				Not Imported		
			Please Wea	ar the Mask				Not Imported		

14. The displayed authentication result text can be customized, edited through the web, including the scope of the results of stranger, authentication success and authentication failure.



<b>HIKVISIO</b> N		Live View		Search	Configuration			
🖵 Local		Authentication Settings	Privacy	Fac	e Recognition Parameters	Card Security	Card Authentication Settings	Authentication Resul
🗄 System	~							
Onetwork	~	Customize Aut	hentication Resu	It Text				
띠 Video/Audio				Text	Content		Custom	
🖾 Image					Stranger			
Schedule	~				Authenticated			
😐 General					Authentication Failed			
Jintercom					Save			
Access Control					Jave			
☐ Smart								

15. Self-defined voice prompt (TTS function, English only) and screen display info (user ID, name and face picture) for authentication;

HIKVISION	Live View	User Search	Configuration
🖵 Local	Video Audio	Prompt	
🖽 System 🗸 🗸			
Detwork      V	Prompt		
ロ Video/Audio		Prompt 💿 TTS	Custom Prompt Importing
🖾 Image	TTS		
📋 Schedule 🛛 🗸	Time Sched	ule	Configuration
🔹 General	Default		Enable
🞍 Intercom			Appellation 📀 None
Access Control			Appenduori
႙ၟ Smart			Time Period When Authentication Succeeded
🖸 Theme			bbA
			Time Period When Authentication Failed
			bbA
			Save

#### 16. Network

Support TCP/IP and Wi-Fi (model with W only), adapt to LAN(network) or WAN(ISUP 5.0) network environment.

#### 17. Function

- a. Support face mask recognition.
- b. Video intercom with indoor station, master station and platform;
- c. Multiple verification modes: Face, card, fingerprint(-F only), PIN code;
- d. Support check in/check out/break out/break in/overtime in/overtime out attendance status, and self-define status name;



HIKVISION		Live View	User	Search	Configuration				
🖵 Local		Time Settings	T&A Status						
🖽 System	~								
Overwork	~		Attendance Mode	Manual		~			
🖾 Video/Audio		Attend	lance Status Required						
🖾 Image			Attendance Status	Enable At	tendance Status		Parameters		
Schedule	^			🔽 Cheo	ck In/Check Out		Customize Break Out Name	Tea Out	C
T&A Status				🔽 Brea	k Out/Break In		Customize Break In Name	Tea In	•
🔅 General				Over	rtime In/Overtime	Out			
🎍 Intercom									
Access Control									
₽ Smart									
🖾 Theme									

e. Support custom standby background image (max 8 pictures)

HIKVISION	Live View Us	er Search <b>Configuration</b>
🖵 Local	Theme Media Databas	e .
🗖 System 🗸 🗸		
A Network     V	Display Mode	
t⊡ Video/Audio	Sleep	
🖾 Image	Sleep after	
🗎 Schedule 🛛 🗸	Theme Management	+ Add Program
🔅 General		Picture(0/8)
🞍 Intercom		
Access Control		
♀ Smart		
🖾 Theme		
	Play Schedule	Picture Select a theme first and then set the playing time.
		X Delete Delete All
		0 2 4 6 0 10 12 14 16 10 20 22 24
	Slide Show Interval	0 t 5
		Save

f. Support privacy protection, customer can define the privacy related parameter, such as Event Storage Settings, Picture Uploading and Storage, Clear All Pictures in Device



HIKVISION		Live View	User	Search	Configuration	
📮 Local		Authentication Settings	Privacy	Face R	ecognition Parameters	Card Security
🖽 System	~					
Network	~	Event Storage Setti	ngs			
🖾 Video/Audio			Event	Storage Type	Overwriting	~
🖾 Image						-
🗎 Schedule	~				Save	
🔹 General		Authentication Set	tings			
🎍 Intercom			Display Authen	ication Result	🗌 Face Picture 🔽 Nam	e 🗌 Employee ID
Access Control			Name De	-identification		
₽ Smart						
🖾 Theme					Save	
		Picture Uploading a	and Storage			
		Upload Captured	Picture When A	uthenticating		
		Save Captured	Picture When A	uthenticating		
			Save Regi	stered Picture		
		Upload	d Picture After L	inked Capture		
		Save	Pictures After L	nked Capture		
					Save	
		Clear All Pictures ir	Device			
						@202

#### **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.

Hikvision Digital Technology CO., Ltd. No. 555 Qianmo Road, Binjiang District, Hangzhou 310051, China Tel: +86-571-8807-5998 FAX: +86-571-8993-5635 Email: overseabusiness@hikvision.com