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FAQ-UPD-005: How to upgrade OS and firmware for the eMMC 8GB UA-5200 series FM 1.4.0.0 or later version?

ICP DAS UA series provides new functions! Please upgrade the OS to provide more complete services. <u>Note:</u>

This FAQ applies to the UA-5200 series eMMC 8GB version (refer to Section 2: Check if the UA-5231 can upgrade the OS?). If the [Flash Information] is "eMMC Flash", you can upgrade the OS and Firmware (v1.4.0.0 or later).

When does the OS need to upgrade?

When the UA needs to update the Firmware to a version above 1.4.0.0, but the current version is lower than 1.4.0.0, it needs to upgrade the OS and the Firmware.

1. Check the Firmware Version

Log in the UA-5200 UI webpage, and click 【System Setting】.



Check the [Firmware Version] in [Version Information]. If it is not up to V.1.4.0.0 and you want to upgrade to V.1.4.0.0 or above, please go to the next step.

Firmware Version	Version 1.4.0.0
Main Program	Version 1.1.73
Web Interface	Version : 6.6.0 Date : 2022/01/06
Install Information	2022/01/18-15:06:54_WebUpdate_InstallSuccess
Flash Information	eMMC Flash



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							<u> </u>			
3. How to Up	date Firmwar	e by Re-	burning the	OS?						
This method need backup and save	ds to update the the project bef e	bottom l ore re-bu	ayer OS. If ther rning the OS.	re is a pro	oject in the UA	-5200 contr	oller, please			
3.1. How to Back-up the Project File?										
After logging in the UA web UI, click the 【File Setting 】 function.										
Svs	tem Setting	Module Se	etting IoT P	latform S	ettina Cor	overt Setting				
						e e e e e e e e e e e e e e e e e e e				
1/0 3	Status File S	setting								
Click the 【 Down	load 】button as	below, a	nd save the pro	ject file 1	to the folder y	ou want.				
	Remove the	File								
		Projec	t File Remove]						
	Upload the t	file to the	e controller							
		Projec	t File Select Fil	le	Up	load				
	Download th	ne file fro	om controller							
		Projec	t File Download	d						
3.2. Burn the U	pgrade File into	a MicroS	D Card							
(4) Da sala a duba										
(1) Download the https://www	e UA-5200 series v.icpdas.com/en/	s i mgc file /downloa	d/show.php?ni	and firm um=1135	ware) from th S&nation=US&	e webpage: kind1=&mo	del=&kw=ua-			
<u>5231</u>										
(2) Download the <u>https://hddgu</u>	e burning softwa uru.com/softwar	re HDD-R re/HDD-R	law-Copy-Tool aw-Copy-Tool/	from the	e website:					
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(3) After powering off, remove the MicroSD card of the UA-5200 series (the location of the MicroSD card is as shown below)



Insert the MicroSD card into the card reader on PC/NB (Note: Please use UA-5200 series MicroSD card)

- Run the burning software:
- kol kol
- HDDRawCopy1.10Portable
- The message shows on the bottom In the "Select SOURCE" screen: Please select SOURCE
- Click the FILE item (last one)
 FILE
 IMAGE of Generic- Multi-Card
- Select the downloaded file for burning.

The screen displays as follows

BUS	MODEL	FIRMWARE	SERIAL NUMBER	LBA	CAPACITY
ATA ATA USB	KINGSTON SA400S37240G (C:) ST3320418AS (D:) Generic STORAGE DEVICE (F:)	SBFKB1E1 CC44 0821	03532303246333730383530 000000 000000	468,862,128 625,142,448 7,774,208	240.05 GB 320.07 GB 3980.39 MB
FILE	IMAGE of Generic- Multi-Card	1.00	027080810000000	7,774,208	3980.39 MB
	12			Open Dis	k Management Console
Copyright ©	2005-2013 HDDGURU.COM	Please se	lect SOURCE	<u>Open Dis</u>	k Management Console Continue >>>

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• Clic	ck the "Co	ontinue" button.							
2	SOURCE Devi	ce Selection - HDD Raw	Copy Tool 1.1	lO Free					
	HDD RAW (COPY TOOL 1.10 Free					WWW.HD	DGURU.COM	
	BUS ATA ATA USB FILE	MODEL KINGSTON SA400S372 ST3320418AS (D:) Generic STORAGE DEV IMAGE of Generic- Mult	40G (C:) ICE (F:) 1-Card	FIRMWARE SBFKB1E1 CC44 0821 1.00	SERIAL 1 03532303 000000 000000 02708081	NUMBER 246333730383 20000000	LBA 468,862,128 625,142,448 7,774,208 7,774,208	CAPACITY 240.05 GB 320.07 GB 3980.39 MB 3980.39 MB	
	Copyright ©2	005-2013 HDDGURU COM		Please sel	lect SOURCE		<u>Open I</u>	Disk Management Con: Continue >>>	
D)isks found: 3								
(4) Selec	ct the bur	ning device							
• -	-1			• • • "			"Place	~ ~lact T	DOFT.
• 1	ne messa	age snows on th	e bottom	in the "s	elect I	ARGEI	screen: 116a	SC SCIECT I.	anobi
• (Click "USE	3" item as the TA	RGET:	ISB	(Jeneric	STORAGE D	EVICE (F.)	
• (Click "Con	itinue" button.							
Т	The scree	n displays as foll	ows						
TA	RGET Device	e Selection - HDD Raw (Copy Tool 1.1	О Бтее					
	HDD RAW CO	DPY TOOL 1.10 Free					H.WWW.H	DDGURU.COM	
	BUS ATA ATA USB	MODEL KINGSTON SA400S3724 ST3320418AS (D.) Generic STORAGE DEVI	0G (C:) \$ (CE (F) 0	FIRMWARE SBFKB1E1 CC44 1821	SERIAL 03532303 000000 000000	NUMBER 24633373038	LBA 3530 468,862,128 625,142,448 7,774,208	CAPACIT 240.05 GB 320.07 GB 3980.39 M	Y .
		12			-				
Dis	Copyright ©201	15-2013 HDDGURU COM		Please select	TARGET	1	Open	Disk Management Co Continue >>>	
1/13									
		ICI	P DAS Co.	, Ltd. Tec	hnical	Docume	nt		

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(5) Confirm the b	urning data sett	ings.					
🗿 HDD Raw C	opy Tool 1.10 Free						
SOURCE:	[0] IMAGE of Gener	ic- Multi-Card	1.00 [3980.39 M	(B)			About
COPY	[2] Generic STORAG	EDEVICE	0021 [3900.39 MD]	1	Copyright @20	005-2013 HDDGU	IRU.COM
2020/12/28 2020/12/28 2020/12/28 2020/12/28 2020/12/28 2020/12/28 2020/12/28 2020/12/28 2020/12/28	F午 01 53:38 F午 01 53:38 Target: [2] (opy Tool 1.10; h IPOR TANT: DU ON TARGET W IMAGE of Gener Generic STORAC	http://hdd.guru.com RING THE DUPLICATIC ILL BE IRREVERSIBLY ric-Multi-Card 1.00 [2 JE DEVICE 0821 [396	DN PROCES OVER WRI 3980.39 MB] 80.39 MB]	TENI		~
<u>(4)</u>							2
Current tasi	k progress						
			31	op	Ł	START	32
ID1 IMAGE of	Generic- Multi-Card	1.00 [3980.1	39 MB1 >>>	[2] Generic	STORAGE DEVICE	0821 [3980	39 MB1
	Warning	Are you ab Data on the [2] Generic 3	solutely sure you w following device w STORAGE DEVIG	ant to proce vill be over CE 0821 Cancel	eed? written: [3980.39 MB]	3	
 In the red size. 	box 1, first part	is the bui	rning file size; s	econd p	art is the burn	ing destinat	ion and file
• If the data	a are correct, cli	ck the "ST	ART" button.				
• Click the '	'Yes" button to l	ourn the c	lownloaded file	e into the	e microSD carc	1.	
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(6) Burning task completed.

When the "Task complete" message appears, it means that the downloaded file burning task is completed.

up op			W.O. 1. 1.65	10000 00 1101			
IRCE:		BE of Generic- M	ulti-Card 1.00	[3980.39 MB]			Abc
KGE1:	[2] Gene	nc STORAGE DE	WICE 0821 [2980.39 MBJ	Constalle	30005 0012	поредал се
					Copyright e	92000-2015	HDDG0K0.CC
OPY							
2020/12/28	下午 01:40:45	* * * * * IMPOR 1	IANT: DURING THI	E DUPLICATION PROCE	22		~
2020/12/28 2020/12/28	下午 01:40:45 下午 01:40:45	ALL DATA ON TA	ARGET WILL BE IF	RREVERSIBLY OVER WI	RITTEN!		
2020/12/28 2020/12/28	下午 01:40:45 下午 01:40:45	Source: [0] IMAG Target: [2] Generi	E of Generic- Multi- c STORAGE DEVIC	Card 1.00 [3980.39 M E 0821 [3980.39 MB]	B]		
2020/12/28 2020/12/28	下午 01:41:15 下午 01:41:15	Locking device Copying					
2020/12/28 2020/12/28	下午 01:44:08 下午 01:44:08	Average speed: 23. Task complete.	.0 MB/s				
		Contraction of Contra					~
4							2
Current ta	sk progress						
(
Curre	nt secto	r: 7,774,20	8	Stop		START	
Currei	t secto	r: 7,774,20 alti-Card 1.00)8 [3980.39 MB]	Stop >>> [2] Gene	oric STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t Generic- Mi	r: 7,774,20)8 [3980.39 MB]	Stop >>> [2] Gene	eric STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20)8 [3980.39 MB]	Stop >>> [2] Gene	TIC STORAGE DEVIC	START CE 0821	[3980.39 MB]
Currei	t Generic- M	r: 7,774,20)8 [3980.39 mb]	Stop >>> [2] Gene	nic STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20)8 [3980.39 MB]	Stop >>> [2] Gene	eric STORAGE DEVIC	START C e 0821	[3980.39 MB]
Currei	t Generic- Mi	r: 7,774,20	(3980.39 MB)	Stop >>> [2] Gena	eric STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20)8 [3980.39 MB]	Stop >>> [2] Gene	eric STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20	(3980.39 MB)	Stop >>> [2] Gene	eric STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20	(3980.39 MB)	Stop >>> [2] Gene	eric STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t Secto	r: 7,774,20	(3980.39 MB)	Stop >>> [2] Gene	erie STORAGE DEVIG	START C E 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20)8 [3980.39 MB]	Stop >>> [2] Gene	eric STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t Secto	r: 7,774,20	(3980.39 MB)	Stop >>> [2] Gene	erie STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20)8 [3980.39 MB]	Stop >>> [2] Gene	eric STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20	(3980.39 MB)	Stop >>> [2] Gene	erie STORAGE DEVIC	START C E 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20 alti-Card 1.00	(3980.39 MB)	Stop >>> [2] Gena	eric STORAGE DEVIC	START CE 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20	(3980.39 MB)	Stop >>> [2] Gene	erie STORAGE DEVIC	START CE 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20	(3980.39 MB)	Stop >>> [2] Gena	erie STORAGE DEVI	START CE 0821	[3980.39 MB]
Currei	t secto	r: 7,774,20	(3980.39 MB)	Stop >>> [2] Gene	erie STORAGE DEVIC	START CE 0821	[3980.39 MB]

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 3.3. How to Bu (1) Put the burn below). (2) Turn the Rot 	rn OS into UA- ed MicroSD car	5200 Produ rd into the o	ict card slot o	n the top side	e of the UA-5	200 series (as the picture
(3) The UA Serie to the netwo (Users can al	s equips with a ork hub or switc so directly con	standard R h (as the fignect UA and	IJ-45 netw gure belov d PC/NB.)	ork interface v).	LAN1. Please	e use the LA	N1 to connect
F	UA Hu PC / NB	Series b/Switch	ernet	P.GN	ID -V +V Power Su (12 ~ 48 V	pply DC)	

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							·				
(4) Power on the	UA-5200 series	again.									
→ Wait about the upgrain of the	ut 1 minute. <u>(\</u> I <mark>de will fail.)</mark>	<u>NARNING</u>	<u>l DO NOT pow</u>	<u>er off du</u>	ring the burni	ing process.	<u>Otherwise,</u>				
→ L2 turns u	→ L2 turns up green light and emits one long beep.										
➔ Wait about 5 minutes.											
➔ Both L1 a successf	nd L2 turn up gr [.] ul.	een lights	and emit two l	ong beer	os. It indicates	the burning	process is				
➔ Power off (WARNIN)	f the UA-5200 se G! If forgot to re	eries. <u>Take</u> emove the	e out the OS Mi burning card	<u>croSD ca</u> will resu	i <u>rd (burned)</u> . <u>It in repeated</u>	burning.)					
➔ Insert the	MicroSD card in	nto the ca	rd reader on P(C/NB.							
➔ It is recon	nmended to use	DiskGeni	us software to	format th	ne MicroSD ca	rd into FAT3	2 format				
➔ Insert the	e MicroSD card b	ack into t	he UA-5200 ser	ries.							
➔ Power on	again. The OS b	urning pro	ocedure is com	plete nov	w.						
3.4. How to kno	ow the UA-5231	IP addres	s after the OS	burning?	•						
After burning	g, <u>Default IP is 1</u>	<u>92.168.25</u>	<u>55.1</u>								
Default Pass	word: root										
Also, you car	n scan and confi	rm the IP a	address throug	h the UA	-Series Utility.						
For the operation	ation of UA-Seri	es Utility,	please refer to	chapter	2.2.2 of the U	A User Manı	ual. Click the				
<u>UA Website</u>	[Download Cent	<u>er</u>] or the	following link:								
<u>https://www</u>	i.icpdas.com/en	<u>/downloa</u>	<u>d/show.php?nu</u>	<u>um=1133</u>	&nation=US&	kind1=&mo	<u>del=&kw=ua-</u>				
	2. Quick Start 1:	Hardware/Ne	work Connection								
	2.1 Hardware	Connection									
	2.1.1 Pr	reparations for	Devices								
	2.1.2 Ha	ardware Wiring									
	2.2 Network C	Connection									
	2.2.1 Co	onnection by F	actory Default Settings	(For New UA	N)						
	2.2.2 Co	onnection by U	tility Searching								
	3. Quick Start 2:	Web UI / Set	ting Steps			37					
	3.1 Web UI E	nvironment Ov	erview								
	3.2 Setting St	eps for Project	/ List			39					
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3.5. How to Res After logging in to	3.5. How to Restore the Backup Project File? After logging in to the UA-5200 UI webpage, click the 【File Setting 】 function.										
Click 【Select Fil	System S I/O Statu	Setting File	Module Setting	e rver Ig lo ⁻ Dject file,	T Platform Set	ting pload 】.					
	Remove to the second se	he File Pro e file to 1 Pro I the file	ject File Remo the controller ject File Selec from controll	t File		Upload					
		Pro	ject File Down	load							
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