Batch Processing Tool

MANUAL

ICERIVER

Note: This software is only compatible with ICERIVER miners and does not support other brands' miners.

Functional Overview: Miners Monitoring and

Upgrade

[Reminders]

1. The PC running the software must be Windows 10 or Windows 11;

2. The language is fixed according to the software version: the Chinese version, and the English version.

3. If you encounter virus warnings during download, we recommend trying a different browser (this software is safe).

4. Before using the software, ensure it is extracted; otherwise, it will not function properly.

5.The computer and miners using this software must have network connectivity; when setting a fixed IP, ensure the software and miners are in the same subnet.

1. Miner Management

Double-click to launch the software.

	名称	修改日期	美型	大小
	en .	2024/7/3 10:21	文件夹	
	fir Double click	2024/7/3 10:21	文件夹	
A	log	2024/7/3 10:29	文件夹	
1	Config 🖌	2024/6/12 9:27	Microsoft Edge	4 KB
1	IceRiver_MinerTool	2024/6/8 15:31	应用程序	589 KB
1	Newtonsoft.Json.dll	2023/5/18 16:11	应用程序扩展	686 KB

2. IP Report

A: Click on "Miner Management" to enter the miner management interface.

- B: Click on "IP Reporter" to enter the interface.
- C: Short press the IP button on the machine panel for 2 seconds.



Miner Manag	IP Confi	guration Firmw	are Upgrade	Settings								
Miner IF	Scan	Reboot	t	Config Reset	DHCP	Fan Settings	IP Reporter		Auto Monitor	Update Int	erval:5 minutes	
All Total	(254) C	onnected					·	B				V
Miner IP	Status	MAC Address	Version No.	IP Reporter			×		Pool2	Worker2	Pool3	Work ^
192.168.1.1	None			IP								
192.168.1.2	None .			addr : 192, 168, 8, 172								
192.168.1.3	None				C							
192.168.1.4	None			1	-							
192.168.1.5	None			1								
192.168.1.6	None			1								
192.168.1.7	None											
192.168.1.8	None			1								
192.168.1.9	None			1								
192.168.1.10	None			1								

3. IP Range Editor

- A. Click on "Miner Management" to enter the "Miner Management" interface.
- B. Click on "Miner IP" to enter the "IP Range Editor" interface.
- C. Click on "+" to retrieve the IP range of the Miners.
- D, E, F. Double-click on an IP range to modify it.
- G. Click "Save".

Miner Manag	ement IP Confi	guration Firmwa	are Upgrade	Settings								
Miner IP	Scan	Reboot	:	Config	Reset	DHCP	Fan Settings	IP Reporter	Auto Monitor	Update Int	erval:5 minutes	
All Total	.(254) 🗌 Ca	nnected										8
Miner IP	Status	MAC Address	Vers 🕞	Range Edito	r				× 12	Worker2	Pool3	Work ^
	None											
192.168.1.2	None							-	+ -			
192.168.1.3	None			IP Subnet		Start	1	End	- <u>-</u>			
192.168.1.4	None			192,168,1		1		254				
192.168.1.5	None				_		1					
192.168.1.6	None				D		E	F				
192.168.1.7	None											
192.168.1.8	None											
192.168.1.9	None											
192.168.1.10	None											
192.168.1.11	None											
192.168.1.12	None											
192.168.1.13	None											
192.168.1.14	None		_									
192.168.1.15	None							C	Save			
192.168.1.16	None							GL				
192.168.1.17	None											

4. Miner Scan and Detection

After scanning the entire IP range, a popup window will display the number of machines in different states (Normal, Failed, Offline, Abnormal).

You can click "Connected'	to display only the succ	cessfully scanned miners.
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Miner IP	Scar	Reboot	Config	ç Re	set DH	CP Fan	Settings I	P Reporter	Auto Monitor	Update Intervo	1:5 minutes	
_ All Total(254)	Connected 🔶	Only	display s	uccessful r	niner						V
W' TD	Statur	MAC Addrorg	Version Number	Hashrate	Hashrate(avg)	Runtime	Pool1	Worker1	Pool2	Worker2	Pool3	Worker
winer Ir	Deatus	ANG AGG ESS	rea broat manoer	Hanta acc								
192.168.8.172	Online	00:0a:70:£0	ICM168_03_0		(11)	00:00:14:37	stratum+tcp:.	1 ACmzv5kaoHK	stratum+tcp:	1 ACm zv5k aoHK	stratum+tcp:	1 ACn zv5
192. 168. 8. 172 192. 168. 8. 177	Online Online	00:0a:70:£0	ICM168_03_0			00:00:14:37	stratum+top:	1 ACmzv5kaoHK 1 ACmzv5kaoHK	stratum+top:	1 ACmzv5kaoHK 1 ACmzv5kaoHK	stratum*top:	1 ACm zv5 1 ACm zv5

5. Configuring Miner

A. Press "Ctrl" or select "All" to choose the miners you want to configure. You can change settings such as pool address, miner name, password, etc.

B. Click on "Update" to apply the configuration to the selected miners. After configuration, you will receive a prompt indicating the number of miners that were successfully configured and the number that failed.

. Miner IP	Scan	Reboot	Config	Reset	DHCP	Fan Sett	ings	IP Reporter		Auto Monitor	Update Interve	1:5 minutes	
Pool 2 3 All Tetel (2)	(i)		Wallet/Worker wLVG7Z7BTrTE9mh wLVG7Z7BTrTE9mh wLVG7Z7BTrTE9mh	Zjug6FUysSdD, A08010000 Zjug6FUysSdD, A08010000 Zjug6FUysSdD, A08010000	P (102 1 102 1 102 1	assword 23 23 23		Suffix None O IP None O IP None O IP	UF	pdate			
Miner IP	Status	MAC Address V	ersion Number Hashr	rate Hashrate(s	vg) R	untime P	ooli	Worker1		Pool2	Worker2	Pool3	Worker3
192.168.8.172	Online	00 Tips							×	stratun+top:	1 ACmzv5kaoHK	stratum+top:	1 ACmzv5J
192.168.8.177	Online	00:(stratum*top:	1 ACm zv5k aoHK	stratum+top:	1 ACm zv5]
192. 168. 8. 187	Online	00:0								stratun*top:	12DZ eqk62 d¥T	stratum+top:	12DZeqk
				Config finished, Success: 1	total m	hiner1		ОК					

6. Reboot Miner

If you need to reboot a specific miner, you can select that miner and then click "Reboot." If you want to reboot multiple miners, hold down "Ctrl" and click to select the miners you want to reboot. Clicking "Reboot" will prompt a confirmation popup; click "OK" to proceed.

Miner IP	Scan	Reboo	t Confi	e P	leset DH	CP Fan	Settings	IP Rep	porter	Auto Monitor	Update Interv	val:5 minutes	
All Total	(254)	onnected	¥										5
Miner IP	Status	MAC Address	Version Number	Hashrate	Hashrate(avg)	Runtime	Pooli		Worker1	Pool2	Worker2	Pool3	Worl
92.168.8.181	None												
492.168.8.182	None												
492.168.8.183	None				O Time								
192.168.8.184	None				🔄 lips		,	^					
192. 168. 8. 185	None												
	None												
			ICM168_03_0.	436G	Confirm to rebo	ot the 3 select	ed miner(s)?	2	12DZegk62dVT.	stratum+top:	12DZ e gk62 d¥T	stratun+top:	1202
192.168.8.189	None												
192.168.8.190	None												
192. 168. 8. 191	None												
192.168.8.192	None				OK	Car	cel						
192.168.8.193	None							_					
192. 168. 8. 194	None												
192.168.8.195	None												
192. 168. 8. 196	None												
492.168.8.197	None												
192.168.8.198	None												
192.168.8.199	None												
192.168.8.200	None												
92 168 8 201	N												

7. Factory Reset

If you need to reset a miner to its factory settings, you can click the miner and then click "Reset". This action will prompt a confirmation popup; click "OK" to proceed.



If you want to reset factory settings for multiple miners, hold down "Ctrl" and click to select the miners you want to reset.

Miner IP	Scar	Reboot	t Conf	ig Res	et D)	CP Fan	Settings	IP Reporter	Auto Monitor	Update Inter	val:5 minutes	
All Total(254)	Connected		1								V
Miner IP	Status	MAC Address	Version Number	Hashrate	Hashrate(avg)	Runtime	Pool1	Worker1	Pool2	Worker2	Pool3	Work
192.168.8.181	None		1									
192. 168. 8. 182	None		/									
192. 168. 8. 183	None											
192. 168. 8. 184	None		6	Tips		×						
192. 168. 8. 185	None											
192, 168, 8, 186	None											
192.168.8.187	Online	00:0s:70:£0	ICM168_03_	C ()			stratum+top	:	stratum+top	. 12DZeqk62dVT.	stratum+top:	1202
192, 168, 8, 188	None			Confirm to rese	t the 3 selected	miner(s)?						
192.168.8.189	None											
192.168.8.190	None											
192. 168. 8. 191	None											
192. 168. 8. 192	None			ОК	Cano	1						
192. 168. 8. 193	None											
192. 168. 8. 194	None										_	
192. 168. 8. 195	None										-	

8. Restore DHCP Mode

If a miner is currently set with a static IP and you need to switch it back to automatically obtaining an IP address via DHCP, follow these steps:

Select the miner you want to restore.

Click on "DHCP".

Confirm the action by clicking "OK".

Miner Manage	ment IP Con	figuration Firmwa	re Upgrade S	ettings								
Miner IP	, Scar	n Reboot	Confi	¢	Reset DH	CP Fan	Settings IP	Reporter	Auto Monitor	Update Interv	al:5 minutes	
All Total	254)	Connected										V
Miner IP	Status	MAC Address	Version Number	Hashrate	Hashrate(avg)	Runtime	Pool1	Worker1	Pool2	Worker2	Pool3	Work ^
192. 168. 8. 181	None											
192.168.8.182	None											
192.168.8.183	None											
192. 168. 8. 184	None				lips		×					
192.168.8.185	None	_								_		
192.168.8.186	None			1								
192. 168. 8. 187	Online	00:0a:70:£0	ICM168_03_0	436G	Confirm to DHC	P the 3 select	ed miner(s)?	. 12DZeqk62dYT.	. stratum+top:	12DZeqk62dYT	stratum+top:	1202+
192.168.8.188	None				commit to price	in the source	eu miner(s).					
192.168.8.189	None		1 m							1	le se	
192.168.8.190	None											
192.168.8.191	None				1	_				3		
192.168.8.192	None				OK	Car	icel					
192.168.8.193	None				1							
192.168.8.194	None											
192. 168. 8. 195	None											
100 100 0 100						1						

9. Auto Monitor of Miners

Once the miner settings are configured, click on "Auto Monitor". By default, it will refresh every 5 minutes.

Colors indicate:Normal (Green), Offline (Red), Abnormal (Yellow), Failed (Dark Red).

	RIVER	Batch Processing Tool Manual
🕞 Tips		×
	Miner scanning is completed,Scanned 254 n	niners in total (3.91s)
	Normal: 4 Sailed: 250 Offline	: 0 🔶 Abnormal: 0
	, <mark>.</mark>	ок

10. Aaccessing web interface

Clicking on the miner's IP allows direct access to the miner's web interface.

winer wanage	ment IP Confi	guration Firmwai	re Upgrade Se	rttings								
Miner IP	Scan	Reboot	Confi	g Rese	t DH	CP Fan Se	ttings IP	Reporter	Auto Monitor	Update Interv	al:5 minutes	
🗌 All Total (2	254) 🗌 Co	nnected										7
Miner IP	Status	MAC Address	Version Number	Hashrate	Hashrate(avg)	Runtime	Pool1	Worker1	Pool2	Worker2	Pool3	Work ^
192. 168. 8. 175	None											
192. 168. 8. 176	None											
192.168.8.177	Online	00:04:70:£0	ICM168_03_0	404G			stratum*top	1 ACmzv5kaoHK.	stratun*top	1 ACmzv5kaoHK	stratun*top	1 ACm a
192.168.8.178	None											
192.168.8.179	None											
192. 168. 8. 180	None	Click the	okling ID	addross t	a a to th	Wah na	-					
192. 168. 8. 181	None	Click the	Okime IP	audress t	0 90 10 1	le web pa	ge					
192. 168. 8. 182	None											
192.168.8.183	None											
192.168.8.184	None											
192.168.8.185	None											
192. 168. 8. 186	None											

Firmware Upgrade

If any miner experiences issues requiring a firmware upgrade, you can use batch firmware upgrade for resolution.

Operating Instructions:

A. Click on "Firmware Upgrade".

B. Choose the IP range where the miners requiring upgrade are located. Single-click to select the miners for upgrade. For multiple miners, hold down "Ctrl" while clicking to select.

C. Click on "Add Firmware", which will prompt a dialog box to appear.

D. After selecting the firmware upload, Click "Add" again, and a prompt confirming "Upload Successful" will appear.

Miner Management IP Configuration Firmwar	re Upgrade Settings		
IP Range 192.168.8.1 - 254 • KS All(254)	A Firmware ICM168_3_2_15_ksxupda	te.bgz • Upgrade	Add Firmware
IP	Status	Miner Model	Firmware
192. 168. 8. 181	None		
192. 168. 8. 182	None		
192, 168, 8, 183	Hone		
192.168.8.184			
192. 168. 8. 185	1 Add Firmware	^	
192. 168. 8. 186	3		
192. 168. 8. 187	1 KS	~	
192. 168. 8. 188	3		
192.168.8.189	3		
192. 168. 8. 190	Select Firmers		
192. 168. 8. 191)		
192. 168. 8. 192	3		
192. 168. 8. 193			
192. 168. 8. 194	b Add	Cancel	
192. 168. 8. 195			
192. 168. 8. 196	i D		
192. 168. 8. 197	Y.		
192. 168. 8. 198	None		
192. 168. 8. 199	None		
192. 168. 8. 200	None		~

Select "Miner Model", "Firmware", and click "Upgrade". A prompt will appear indicating the number of miners to be upgraded. Confirm the quantity and click "OK". The upgrade process takes approximately 2 minutes (Note: Do not power off during the upgrade process).

Miner Management IP Configuration	on Firmware Upgrade Setti	ngs				
IP Range Min	ner Model	Firnware				
192.168.8.1 - 254 · K	S •	ICM168_3_2_15_ks:	kupdate.bgz 🔹	Upgrade	Add Firmware <u>Remove</u>	All Firmware
□ All(254)						
IP	Status		Miner Model		Firnware	-
192. 168. 8. 109	None					
192. 168. 8. 110	None					
192. 168. 8. 111	None					
192. 168. 8. 112	None	🕞 Tips		×		
192. 168. 8. 113	None					
192.168.8.114	None					
192. 168. 8. 115	None					
192. 168. 8. 116	None	Confirm to upgi	rade the 3 selected miner	(S)?		
192. 168. 8. 117	None					
192. 168. 8. 118	None					
192 168 8 119	None					
192. 168. 8. 120	None	OK	Cancel			
192, 168, 8, 121	Online		REUMETRA		B00T3_3 image_1.0 ICM168_3_2_15	ksOultra_miner
192. 168. 8. 122	None					
192. 168. 8. 123	None					
192. 168. 8. 124	None					
192. 168. 8. 125	None					
192. 168. 8. 126	None					
192. 168. 8. 127	None					
192. 168. 8. 128	None					~



Wait for 2 minutes, and a prompt will appear indicating the results of the upgrade: either Success or Failed.

Miner Management IP C	Configuration Fin	mware Upgrade	Settings					
IP Range	Miner Model	1	F	'irnware				
192.168.8.1 - 254	- KS		•	aning Mary	ing and its	Upgrade	Add Firmware	Remove All Firnware
🗌 All(254)								
IP		Status			Miner Model		Firmware	^
192. 168. 8. 196		None						
192. 168. 8. 197		None						
192. 168. 8. 198		None G	Tips			×		
192. 168. 8. 199		None						
192. 168. 8. 200		None		<u> </u>				
192. 168. 8. 201		None		Upgrade Si	uccess, total miner 1			
192. 168. 8. 202		None						
192. 168. 8. 203		None		Success	:1 🔴 Failed: 0			
192. 168. 8. 204		Upgrad			• • • • • • • • • •		the set	where all the second
192. 168. 8. 205		None						
192. 168. 8. 206		None		OK	Reboot			
192.168.8.207		None			C			
192. 168. 8. 208		None						
192. 168. 8. 209		None						
192. 168. 8. 210		None						
192. 168. 8. 211		None						

Setting

Batch software setting is divided into two functions: "Basic Settings" and "IP Range Editor".

Miner Management	IP Configuration	Firmware Upgrade	Settings		
			Basic Settings		
Miner IP	Scan	Reboot C	IP Range Editor	DHCP	Fan Settings

1. Basic Settings

A: Retry times for IP scanning, which can be set from 1 to 9 times.

B: Refresh interval for software monitoring, configurable at intervals of 5, 10, 20, 30, 60, or 120 minutes.

Miner Management IP Configuration Firmwar	e Upgrade Settings				
IP Range Miner Model	Firmware				
192.168.8.1 - 254 · KS	 ICM168_3_2_15_} 	ksxupdate.bgz •	Upgrade Ad	dd Firmware <u>Remove All Firmw</u>	are
□ All(254)					
IP	Status	Miner Model		Firmware	^
192. 168. 8. 181	Basic Catting		×		
192. 168. 8. 182	basics setting		^		
192. 168. 8. 183	Soon Rotwy Timor 1				
192. 168. 8. 184	Scall Retry Tilles				
192. 168. 8. 185	Update Interval 5	- Minutes			
192.168.8.186					
192.168.8.187 •					
192.168.8.188					
192. 168. 8. 189					
192. 168. 8. 190					
192. 168. 8. 191					
192. 168. 8. 192		ок	Cancel		
192.168.8.193					
192. 168. 8. 194	None				5
192. 168. 8. 195	None				

After setting the software monitoring refresh interval, you can monitor the miners in the "Miner Management" interface.

Miner Managemen	t IP Configurati	ion Firmware Up	ograde Settings							
Miner IP	Scan	Reboot	Config	Reset	DHCP	Fan Settings	IP Reporter	Auto Monitor	Update Interval:5 minutes	
_ All Total(254)	Connect	:ed								8

2. IP Range Editor (Refer page 4).

Miner Manag	ement IP Conf	iguration Firmw	are Upgrade	Settings								
Miner II	B Scan	Reboot	:	Config	Reset	DHCP	Fan Settings	IP Reporter	Auto Monitor	Update Int	erval:5 minutes	
All Total	. (254) 🗌 C	onnected										V
Miner IP	Status	MAC Address	Vers 🕞 IP	Range Edi	tor				× •12	Worker2	Pool3	Work ^
192, 168, 1, 1	None											
192.168.1.2	None								+ -			
192.168.1.3	None			IP Subr	.et	Start		End				
192.168.1.4	None			192, 168		1		264				
192.168.1.5	None				<u> </u>		1					
192.168.1.6	None				D		E	F				
192.168.1.7	None											
192.168.1.8	None											
192.168.1.9	None											
192.168.1.10	None											
192.168.1.11	None											
192.168.1.12	None											
192.168.1.13	None											
192.168.1.14	None		_									
192.168.1.15	None							C	Save			
192.168.1.16	None							GL				
192.168.1.17	None											