

Firmware Upgrade Guideline

File NO.:	QS-AMS-006
REV:	A/0
Making:	Quality department
Date:	2022/03/16



		Change list		-
NO.	REV	Description	Owner	Date
1	A/0	Initial release	DUZHIZHOU	2022-03-16



Firmware Upgrading by FMS batch management :

1.Firmware download: https://support.canaan.io/

	Prod	uct Mar	nual&Firmware	9	
AvalonMiner	Firmware Man				
A8~12	File Name	File Size	Description	Publish Date	Operation
Managment Tool Avalon miner	A8/A9firmware	41.57MB	A8/A9 Firmware	2022-09-01	Download
Firmware identification tool	FMS_V2.3.3	40.55MB	Canaan has released a new version of FMS.	2022-09-05	Download
	AvalonMiner Upgrading Tool #Beta	12.93MB	This upgrading tool is applicable to all models of A3202, A3201, and A3200.	2022-09-05	Download
	AvalonMiner Firmware identification tool	4.78MB	AvalonMiner Firmware identification tool and user manual	2022-08-30	Download

2.Open FMS



3.Select the machine to be upgraded and click upgrade in the main page:



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QS-AMS-006 (A/0)

😳 FMS 2.2.6										-	×
Scan LED ON LED OFF Upgrade Restart Char	nge Pool Chang	ge IP To	DHCP Switch Mod	e Dia	gnose Se	etting					help
Overview											
Temperature Summary		Mine	r Summary			Hashrate Sum	mary				
Max : 31°C (87°F) Min : 24°C (7	5°F) Total	Count:	4 Pool 1:		Total :	205(T) Ave	rage :				
Average : 28°C (82°F)		Pool 2:	1 Pool 3:								
	II	count:	4/256						🗆 Only M	iners with N	larnings
State Pool	Worker	PNum				Elapsed		THSav		MaxT (°C)	Туре
stratum+tcp://btc.ss.poolin.com:44	3 cctiix.001		10.100.227.204			1h 12m 46s	34	35	30	30	1047
stratum+tcp://10.8.0.50:18083	goatbit.001		10.100.227.173			23h 3m 50s	43	53	26	26	1146
stratum+tcp://btc.ss.poolin.com:2	5 cctiix.001		10.100.227.62			14m 40s	79	77	31		116
stratum+tcp://btc.ss.poolin.com:44	3 cctiix.001		10.100.227.139			13m 50s	53	40	24	24	106
				,							

4.Select the downloaded firmware to upgrade:

	I F001 5.	1				
	🎨 QFileDialog.getO	penFileName()			? ×	
IP	Look in:	C:\Users\wan…msapp	\fmsapp 🚽 <table-cell></table-cell>		祥 🖽 🔳	MaxChi
00	臭 My Computer	Name	Size	Туре	Date Modi:	7
00	🗽 wangyuzhou	📙 aiohttp		Filder	2020/6	9
00		📙 certifi		Filder	2020/6	1(
		📙 config		Filder	2020/6	
00		📙 cryptography		Filder	2020/6	5
		📙 cryptograegg	-info	Filder	2020/6	
		📜 Include		Filder	2020/6	
		📜 log		Filder	2020/6	
		📙 multidict		Filder	2020/6	
				Fil dae	2020/6	
	File name:					
	Files of type: A1	l Files (*)			Cancel	

Click "Open" button to start updating.

After the upgrading is complete, a dialog box is displayed indicating "All Upgrades Were successful". Otherwise, all the IP addresses that failed to be upgraded will be listed.



Firmware Upgrading for Single Machine :

Enter the IP address in the browser.ID and password are "root".

Avalon Device × + ×			ð ×
\leftrightarrow \rightarrow \circlearrowright \textcircled{o} 10.100.227.139/	□ ☆	t l	\$ ···
← → Ů ŵ ○ 10.100.227.139/ Welcome To Use Avalon Miner Username Username	□ ★	¢= &_	
Password Password Login			

Open the web page:

🖷 🖅 🗖 Avalon Device	× + ~											-	٥	×
\leftarrow \rightarrow \bigcirc \textcircled{o} 10	100.227.139/dashboard	l.cgi								□ ☆	Σζ≡	h	ß	
Avalon Miner														
> Overview	MAC Address	IP Address	Version		Product		Temperature	Fan	System	Status				
> Configuration	b4:a2:eb:33:6d:f4	10.100.227.139	20070801_897db	a7t_5dc740at	AvalonMiner 1066	ipro	36°C / 96°F	63	Work: Ir	Work, Hash E	Board: 3			
> Network														
> System	Pool			Worker	THS av	Acce	epted	Rejecte	d	Elapsed]		
>> Administrator	stratum+tcp://btc.ss.	.poolin.com:443		cctiix.001	34.75	126		0		0 h 4 m 13 s]		
>> Logout														
>> Reboot		THS 6m THS av		AC	CTIVE CHART	rs								
> Upgrade 🛛 🖨												901		
> Log														
Capaan Croativo Co. Ltd														
Canadi Creative Co., Ltd.														

Click "Upgrade

Avalon Miner									
> Overview > Configuration	Upgrade								
> Network	Upload a .aup file here to replace the original MM firmware								
> System	MM Firmware :								
>> Logout									
>> Reboot	Browse Upload								
> Upgrade									
- <u>Canaan Creative Co., Ltd.</u>									



Click the white box to select firmware and click "Upload" to complete the upgrade.

(New backend system) Log in backend as above operation:

AvalonMiner	
6	
Login	

Click "Upgrade" to go to the upgrade page:

A					Logout
>Overview	AvalonMiner 1246-xx	Online	¢	latest reloaded 2021-03-	04 18:14:58
>Configuration					
>Network	Mining status Fine	Network status 76	3049 Fan status 3038	Miner Temperature	5°C(T) °C(H0)
≥Log			3008 3043 RPM /%	64 65	*C(H1) *C(H2) *C/*F
>System			Current Pool		
>>Password	Real-time Hashrate	Average Hashrate	Address stratum+tcp://btc.f2pool.com	n:1314	
>>Upgrade	70.03 THS	03.37 THS	Worker avalonaging	Area	epted
>>Reboot	Rejected Percentage	Elapsed	Accepted 69 Rejected 8	Rejected 10.4-%	-14
	10.39 %	0 Days 0 Hrs 16 mins 12 secs			
		Computing monitoring			
	100THs 90THs				
	BOTHs				
	70THs				
Support	60THs				
Documents	Mac Address b4:a2:eb:34:57:39	IP Address 172.31.33.42 Firmware Version	21030401_4ec6bb0_09b1765t		

Click "Browse" to select firmware and click "Upload" to complete the upgrade:

AvalonMiner						
	Firmware	Upgrade	Guideline	(QS-AMS-006	(A/0)
AvalonMiner 1246-xx			O	latest reloaded	2021-03-04 18:15:22	
Firmware Upgrade						
	Brouse					
	blowse					
		_				
		Upload				