JASMINER X16-Q High-Throughput Quiet Server User Manual

18 pages in total

Catalogue

1



JASMINER X16-Q	1
High-Throughput Quiet Server User Manual	1
I.Product introduction	2
II.Inspection before use	3
1 .Pre-use inspection	3
2 .Precautions for use	. 3
III .basic instructions	5
1. Equipment	5
IV.Use and Setup	5
1. Connection and Inspection	8
2. Configuration of the device	8
4. B ack end configur ation	12
5. Wi-Fi Connection	14
6. Other configur ation	16

JASMINER X16-Q high throughput quiet server instructions

I. Product introduction

High-throughput quiet server (model: JASMINER X16-Q) coming from Sunlune Technology development (Beijing) Co., Ltd. ,which is a high cost performance server. Based on independent development of JASMINER X16 highthroughput computing ASIC. The integrated memory and computing structure chip realizes the combination of memory and computing, to meet the memory capacity requirements, and Increased access bandwidth, break through the bottleneck of computing power from the traditional computer architecture, With the provision of sufficient computing power, reduced energy consumption and profile, designed with silent fan, With the help of an integrated architecture and ultra-high throughput, widely applicable to blockchain networks PoW algorithms such as ETCHASH and ETHASH, With standard 3U server shape, it is suitable for IDC server room, household and other scenarios, and brings good ROI to customers.

High-throughput quiet server has excellent computing performance, low power consumption, simple but efficient IO expansion ability and extremely high operating stability to meet the requirements of all different types of customers.



JASMINER X16 High-Throughput Quiet Server

II. Check before use

- 1 . Check before use
- After unpacking the new machine, please check whether the equipment shell is deformed or the interface is damaged. If there is any damage, please contact the after-sales service for treatment.
- Check the machine for any strange noise, please do not turn on the power and contact the after-sales service if there any metal-to-metal collision sound, screws off or loose.

- 2 . Note on use
- This machine should not connect to any router or switch with POE function;
- Do not stack the machine or cover other objects to keep it cool;
- Please operate the machine in the recommended operating environment (operating temperature: 0-40°C, operating humidity: 5%RH~95%RH non-condensing), so as not to affect the normal operation or performance of the machine;
- Note that the dust and foreign objects, so as not to corrode the motherboard to cause the device can not work properly;
- Please do not modify the machine privately, the resulting damage to the machine is not covered by the warranty.



III. Basic instructions

1. Equipment



Caution:

Please place the machine according to the placement shown above, do not place the machine in a confined space for operation;

For your safety, it is forbidden to disassemble any screws or fasteners on the product;

This machine generates heat during operation, please avoid touching the case during operation.

2.specification of equipment



	General Information
Appearance	CEMINER
Size	443mm (H) ×410mm (L) ×132.5mm (W)
Weight	10 kg
	Technical Specifications
Processor	JASMINER X16-Q
Memory	8 GB
Algorithm	ETCHASH/ETHASH
Network connections	RJ 45 Ethernet 10 / 100 / 1000M& 802.11b / g / n 2.4GHz WiFi
Port	TF card port, power port, RJ 45 network cable interface
Power	200-240V, 50 / 60Hz, 3.6 A, 1200 W ± 10%, with a built-in power supply
Cooling style	Fans
Operating system	Linux
Function	With the characteristics of the memory and computing integrated architecture and ultra-high throughput, it widely applied to the PoW of the blockchain network which using ETCHASH or ETHASH algorithms. Remote control through the network interface can provide high throughput computing services without access to traditional peripheral devices (such as mouse, keyboard, display, etc.).
	Environmental Specification
Working temperature	0-40°C
Working humidity	5% RH-95% RH
Work altitude	Below 2000 meters

3. Interface and description











TF card	The TF card slot
IP Report	Using IP Report software, the high-throughput server IP will be feedback to computer
ETH	Network cable interface
Reset	Restore the factory setting button
Fault Light(red)	The blinking indicates that a fault has occurred
Operation Light (green)	The flashing light indicates that the machine is working properly
WiFi antenna	Wireless Network Antenna

IV. Use & Setup

1. Wiring & inspection

A) Network cable connection: insert the RJ 45 crystal head into the Ethernet port (shown as ETH on machine back), pay attention to the direction when plugging the cable, and please insert the crystal head in place;

B) Power cable connection: Please connect the 120V-240V AC power supply to operate correctly;

C) WiFi link: Please link the WiFi antenna to the corresponding interface of the machine.

2. Configure the machine

Configure the machine by JASMINER IP group control software Download the IP group control management software from following path: JASMINER website \rightarrow support \rightarrow Installation \rightarrow guide & firmware \rightarrow other \rightarrow software & firmware

Install the jasminer program (IP group control management software) on Windows OS, double-click to run, and note that the computer needs to be in the same network segment with the machine;

After successful installation, see the figure below, click "generate" \rightarrow "scan" in the software interface to scan machine's IP, the the relevant information will automatically pop up after scanning is complete;

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• View the hashrate

After the machine runs about 10 min, you can see the corresponding hashrate information.

Ny Devices Settings							
Generate Select IP Ranges g user 10.168, 1.2–10.168, 1.254	Configure IP	Pool configuration Pools 2 1 stratum+ssl://c-ss.bi	wallet/account tdog.one:443 [xksljasminer	Password	Miner suffix	s etc 🔹	
		 2 stratum+ssl://c-ss.bi 3 stratum+ssl://c-ss.bi 	tdog. one:0088 [xksljasminer tdog. one:8888 [xksljasminer) [123] [123	No O ip Mod	e Efficiency •	Start Monitoring
Select All	Amount: 2	Start Scan Con	igure Reboot Re:	100% est Switch DBCP Start Select	Flash Stop Flash	Export Change password	Interval: 90 Display.Min
Select Biner IP Running Status 10.168.1.192 Active 10.168.1.196 Active	5 Type Real-t JASMINER X16-0 3151.65 JASMINER X16-P 5316.90	ine Mashrate Averare Mashrate B MH/s 3151.65 MH/s 0 MH/x 5678.00 MH/x 34	Inning time Coins Frequency 0b17e5s etc_zil 550 stratus*tcp:// 2Th30mllx etc_zil 550 stratus*tcp://	Pool 1 Hiner 1 /eto=ril. £2pool.com.6200 jaminer2023.jamine /sto=ril.£2pool.com.6200 jaminer2023.jamine	Pool 2 r012 stratus*tep://eto-zil.f2poo exp stratus*tep://eto-zil.f2poo	Hiner 1. com 6200 jazminer2023. ju 1. com 6200 jazminer2023. ju	2 Pee assiner012 stratun*top://eto- assinerxp stratun*top://eto-
10.168.1.196 Active	JAMUNER 216-7 5316 SU	98/7s 55/8:00 98/7s 34	21h30mlls = +tc_til 550 = strstus+tcp:/	/wto-zil #2pool.com/6200 jaunimer2023.jaunine	exp stratus+tep://ste-zil.f2poo	l.com:6200 janniner2023.ja	aminerxp stratun+tcp://etc-1

The configuration to this high-throughput server is complete and the machine works properly.

Total Running Time	Network		Temp		Туре	
3m23s 08-01-2023 15:05:29	© connected	٥	33/34 °	2	X16-Q Fri Jul 28 16:29:40 CST 2023	
Hashrate						
1.00MH/s 0.80MH/s				100.00%	0.00 MH/s Hashrate	(RT
0.60MH/s				60.00%	0.00 MH/s Hashrate	(AVG
0.20MH/s Hashrate(RT) Hashrate(AVG) Reject Rate				- 20.00%	0.00% Reject Rate	
Fan O		Dag k	ading progress 40% Network @			
~	~	~	Type DHCP			
	65%	64%	MAC 88.4D	43:70:8D:5B		
68%						
68%			Netmask 255.25	5.255.0		

2. Other Settings: double-click the device in the group control software to enter the web page to modify and set up

												- 0
My Devices	Settings											
langes Select IF 2 user 10, 168, 1.	Generate ? Ranges . 2-10. 168. 1. 254	Configure :	Pool configur Pools 2 stratua	ntion ssl://c-ss.bitdog.one: ssl://c-ss.bitdog.one:(wallet/ 143	'account sniner sniner	Password 123 123	Niner 🔿 No	suffix • ip Coins • ip Mode	etc •	Star	t Monitoring
			3 stratum	-ssl://c-ss.bitdog.one:S	1888 [xkslja	sniner	123	0 No	• ip Protocol	[getwork •]		
			Start Scar	Configure	Reboot	Reset	OM Switch DHCP	Start Flash	Stop Flash	Export	Interval:	90
elect All	-	Amount: 2	🛃 Successful D	ispl: 🛃 Save				Select Firmware	Upgrade Firmware	Change password		Display Miners
elect Miner IP	Running Status	pe Real	-time Nashrate Avera	ge Mashrate Running tim	e Coins Frequenc	y Pool 1		iner 1	Peel 2	Hind	er 2	Pool 3
] 10. 168. 1. 19	16 Active	JASMINER X16-P 5365.	66 /00/s 19/4 6 14 /00/s 5677.6	3 MU x 3421621611 x 9 MU/s 342063766x	etc_ril 550	stratus+tep://sto-zil.12 stratus+tep://sto-zil.62	pool.com:6200 jauminer2	123. jasminerap stratu	*tep://ete-zil f2pool	com: 6200 janmin.er2023	jamminerap s	ratum+top://eto-z:
10.168.1.19	6 Active	JAMINE II-P 5365	60.000 p24 k		ete_cil 550	dirki kariyy/ktera. B	yeal en 600 junium?	223 jaanlaaray stratu	etep.//ste-sil.Expod	. en 600 junin/2023	jaannoodie s	stus4top://≉to-z

* You have set all the parameters by now, if you want to know more about setting, you can continue reading items 4 and 5.

4. Configure the high-throughput server from the Backend Console without group control software

a) Enter the IP address of the machine in any web browser and press the Enter key to open the machine 's Backend Console.

User name: root

Password: root

□ 🖏 10.168.1.192 × +		- 0
← C ⋒ ① 10.168.1.192		A O tì tì 🖨 🎕 🗱 🌒
	發录以访问此站点	
	http://10.168.1.192要求进行导份能证 与此站带的连接不安全	
	用户名 root	
	総研	
	32.00 ROM	



b) Enter the "Setings \rightarrow Miner" configuration interface to modify the minining pool settings, and let the machine starts to providing hashrate.

Total Running Time	Network		Temp	Туре		
3m23s 08-01-2023 15:05:29	© connect	ıd	• 33/34	e Fri J	16-Q ul 28 16:29:40 CST 2023	
Hashrate						,
1.00MH/s 0.80MH/s				100.00% 0.00 Hashrate	MH/s	(RT)
0.60MH/s				60.00% 0.00 Hashrate	MH/s	(AVG)
0.20MH/s Hashrate(AVG) 0.00MH/s Reject Rate 15:02 15:02 15:02	15:02 15:03 15:03 15	03 15:03 15:03 15:04 15:04	4 15:04 15:04 15:04 15:04 15:05	20.00% 0.009 15:05 15:05 Reject Rat	6	0
		Da	g loading progress			
			40%			
			∧ Network ♥			2
Fan Ø						
Fan Ø	5	5	Type DHCP	3.70.8D.58		
Fan 0	65%	64%	Type DHCP MAC B8-4D-4 IP 10.168.1 Metmodek 225.255	3:70:8D:58 1.192 225.0		

- Enter the preferred and two alternative mining pool address, account number and password, and refer to the mining pool tutorial;
- Select the algorithm, this machine support and two algorithms (ETC/ ETH), the default is the ETH algorithm;
- After the selection is complete, click "UPDATE" to submit, and the configuration is complete.

P0011	*	
URL	stratum+tcp://etc-zil.f2pool.com.6200	
Worker	asminer2023.jasminer012	
Account -		
Pool 2 Password: 123	(as default)	
URL	stratum+tcp://etc-zit.f2pool.com.6200	
Worker	Iasmine/0/23 Iasmine/012	
	 Instanta de la construcción de la construcción de la cons	
Password	A	
Pool 3		
URL	stratum+tcp://etc-zil.f2pool.com.6200	
Worker	aminer2023.jasminer012	
Password	A	
Mining prot	ocol	
Pool Protocol	Geburyk	×
Coin Select	V UHYIR	
Coin Select	ETC+ZIL	~
Work Mode	Balance	~
Choose frequency		
choose nequency		



c) After runs about 10 minutes, you can view the corresponding hashrate information on the Status page.



5. Wi-Fi link

a) Long press the front panel "IP Report" until both Operation light and Fault light on.



b) Find the "Jasminer-ap..." from your computer, and link this WiFi, Default password: 12345678

← WLAN	
OrayBox-ZKP	
sunlune_5G	
1517	

c) After connecting to the Jasminer machine's Wi-Fi, open your web browser, enter the address "83.85.78.1" and click Enter and Login to the backend console

User name:root Password:root

登录以访问此站点
http://83.85.78.1 要获进行与份验证 与此站点的连接不安全
用户名
密码
29.00

d) Configure Wi-Fi, enter Setting \rightarrow WLAN \rightarrow Switch, click Connection to link to your common network.

MINER Dashboard	Settings - System -
WLAN	Switch 💽
SSID	
	Constant 2007
Password	SUNLUNE
Status	₩ 중 1517
	المعالم المعالم المعالم المعالم
	TP-LINK_MONITER
WLAN INFO	a zšuniune
	Si sunture
	a druangmi-hub-0261
	Sa LLIS-TPLINK
	3 BRDN-1501
	Si XINAO-UV

WLAN		Switch
SSID	Sunlune	*
Password		
Status	S Disconnected	G Retrain Connection



e) Link the computer to the same network with mining machine, return to the regular link, and scan out the machine' s IP.

😨 Jasminer						- 0 ×
Wy Dowiege Settings						
TB Reman	Pool configuration					
Select IP Ranges	Pools	wallet/account	Password Miner	suffix		
1 user 10.168.1.2-10.168.1.254	stratua+ss1://c=ss.bitdog.one:463	iksijasminer	0 NO	o ip Coins etc		
	2 stratum+ssl://c-ss.bitdog.one:6688	zksljasminer	123 O No	• ip Mode Effic	Start Start	Monitoring
	3 stratum+ssl://c-ss.bitdog.one:8888	zksljasminer	123 O No	• ip Protocol getwo	ark •	
		39%				
	Stop Scan Configure	Reboot Reset Swite	th DHCP Start Flash	Stop Flash	Export Interval:	90 •
Select All Amount: 1	Successful Displ: 🗌 Save		Select Firnware	Upgrade Firmware Cha	nge password	Display Miners
Select Miner IP Running Status Type Real-time	Mashrate Average Mashrate Running time Coins	Frequency Pool 1	Miner 1	Pool 2	Miner 2	Pool 3

6. Other settings

a) Change the login password: need to change the login name and password information, select Setting→Admin "configuration item. Default login

Default name:root

Default password:root

Click" UPDATE " to take effect.

NER Dashboard	Settings - System -
	Moer
Change Password	Ethenot
	WLAN
	Admini
	and the second sec
	-onini rassivos
	Submi

b) View log: To view system operation information, you can select the "Log" option;

System & Miner Log Uppmer Display The The System Research of the System System Research of the System Research of	1_ggr(vory gass :sump and down, ret = 0 :states and ret of the down of the
System & Miner Log Upgrade Gala1 > 17-17-3:3404007 (Hamilton Local) mices Rebot Ling1 > 15-17-6:3404006 (Hamilton Local) mices Rebot Ling1 > 15-17-2:3404006 (Hamilton Local) mices Rebot Ling1 > 15-17-2:3404006 (Hamilton Local) mices Rebot Ling1 > 15-17-2:3404006 (Hamilton Local) mices (Ha	r_gay(yor yang ump sund dom, rot = 0 mask: Incode 2700
(a)(a) 15 11 15 3 3 4 3 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5	L gray (ov data manps and dats, not = 0 marks. In operation 2.100 and Mark 1.200 and Mark
Aug. 15:17:6 JaAMnes focal notice jam Aug. 15:17:6 JaAMnes focal notice jam Aug. 15:17:2 JaAMnes focal notice jam Aug. 15:17:2 JaAMnes focal notice jam Aug. 15:17:2 JaAMnes focal notice jammes are use Aug. 15:18:2 JaAMnes focal notice jammes are foca Aug. 15:18:2 JaAMnes focal notice jammer are foca Aug. 15:18:2 JaAMnes focal notice jammer are foca Aug. 15:18:2 JaAMnes focal notice jammer are foca Aug. 15:21:5 JaAMnes focal notice jammer are foca Aug. 15:21:5 JaAMnes focal notice jammer are thoug Aug. 15:21:5 JaAMnes focal notice jammer at board Aug. 15:21:5 JaAMnes focal notice jammer at board Aug. 15:21:5 JaMmes focal notice jammer at board	i ump sand dass, (et = 0 internet (Last internet) max fan speed = 2100 ar high internet (MM parzent, 20% ar high internet (Last internet) ar high internet (Last internet) ar high internet (Last internet) ar high internet, 20% ar high internet, 20%
Aug_ 15:17:16 jadMines localli notica jam Bug_ 15:17:25 jadMines localli notica jamimeste Bug_ 15:17:25 jadMines localli notice jamimeste su usu: m Bug_ 15:10:65 jadMines localli notice jamimeste su usu: m Bug_ 15:10:65 jadMines localli notica jamimeste su usu: Bug_ 15:10:21 jadMines localli notica jamimeste si usu: Bug_ 15:22:15 jadMines localli notica jamimeste si baset Aug_ 15:25:15 jadMineste localli notica jamimeste si baset Aug_ 15:25:15 jadM	Instance of 2010 as rugs respective 37 at 67WA gazzeta. 29% as rugs respective. 37 at 67WA gazzeta. 29% the calc down block numbers is 19000000, size 550/37056, time dif 83 the calc down block numbers is 19000000, size 550/37056, time dif 83 at 0/14 block data
Aug. 15:17:25 JackMiner locatit notice jaarn Reset Aug. 15:17:25 JackMiner locatit notice jaarnieren ei sei tr Aug. 15:16:06 JackMiner locatil notice jaarnieren eil saite Aug. 15:16:33 JackMiner locatil notice jaarnieren eil saite Aug. 15:16:33 JackMiner locatil notice jaarnieren eil saite Aug. 15:16:32 JackMiner locatil notice jaarnieren eil saite Aug. 15:25:15 JackMiner locatil notice jaarnieren eil saite Aug. 15:25:15 JackMiner locatil notice jaarnieren eil baart Aug. 15:25:15 JackMiner locatil notice jaarnieren eil saite	mextm specific 2100 million 2007 and 2007 million 2007 mi
Aug_ 115177.25 JashMiner locall/ notice jasminer eti suar Jug_ 115170.25 JashMiner locall/ notice jasminer eti suar Aug_ 115183.83 JashMiner locall/ notice jasminer eti suar Aug_ 1151921 JashMiner locall notice jasminer eti suar Aug_ 1152151 JashMiner locall notice jasminer eti board Aug_ 1152151 JashMiner locall notice jasminer eti board Aug_ 1152151 JashMiner locall notice jasminer eti board	an organ emperature 37 der FOMB parentet. 20% holf hompenature 37 der FOMB parentet. 20% cher cale donne HoMB parentet. 25 der 2007/056, time diff 83 and john hompenature 33 and FOMB parentet. 24% 14% hom data
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Aug_11519-21 JasMiner local0 notice jasminer.eff: saic m Aug_1152151 JasMiner local0 notice jasminer.eff: saic Aug_1152151 JasMiner local0 notice jasminer.eff: board Aug_1152151 JasMiner local0 notice jasminer.eff: int_ali	the state state marked the intervent of the state sta
Aug. 1 15:21:51 JasMiner local0.notice jasminer.etf: board Aug. 1 15:21:51 JasMiner local0.notice jasminer.etf: board Aug. 1 15:21:51 JasMiner local0.notice jasminer.etf: board	ak nigi temperante 35 set P Vin <u>percent</u> , 34 a) di test <u>done</u> 16 aci: param done
Aug_1 15:21:51 Jashimer local0 notice jasminer eff: board Aug_1 15:21:51 Jashiner local0 notice jasminer eff: board Aug_1 15:21:51 Jashiner local0 notice jasminer eff: init_ali	o an ese come
Aug_1 15:21:51 JasMiner local0.notice jasminer.eff. init_ali	A DE ROIC DATALLI DELM
Aug_1 15:21:51 Jaswiner localu.nouce jasminer.en: Init_al.	
In the second se	Teg cache size - 15.939999000
Aug_1 15.21.51 JasMiner local0.notice jasminer.elf: init_ali	_reg cache_size = 16/76896
Aug_1 15:21:51 JasMiner local0.notice jasminer.elt: init_ali	_reg dataset_size = 0.999998GB
Aug_1 15:21:51 JasMiner local0.notice jasminer.elf: init_ali	_reg dataset_size = 1073739904
Aug_1 15:21:51 JasMiner local0.notice jasminer.elf: board	J alu check done
Aug_1 15:21:51 JasMiner local0.notice jasminer.elf: +++++	**************************************
Aug_1 15:21:51 JasMiner local0.notice jasminer.elf: board	J asic0 alu_check band_flag position: 17
Aug 1 15:21:51 JasMiner local0.notice jasminer.elf: board	0 asic0 alu_check fail
Aug_1 15:21:51 JasMiner local0.notice jasminer.elf: board	0 asic0 alu good num count: 119
Aug 1 15:21:51 JasMiner local0.notice jasminer.elf: board	0 asic1 alu_check pass
Aug_1 15:21:51 JasMiner local0.notice jasminer.elf: board	û asic1 alu good num count: 120
Aug 1 15:21:51 JasMiner local0.notice jasminer.elf. board	0 asic2 alu check pass
Aug 1 15:21:51 JasMiner local0 notice jasminer eff: board	a asic2 alu good num count. 120
Aug 1 15:21:51 JasMiner local0.notice jasminer.elf.	
Aug 1 15:21:51 JasMiner local0 notice jasminer elf: board	Q alu check analysis done
Aun 1 15:21:51 JasMiner local() notice jasminer elf. start fi	dram data
The second secon	M MIT SEE

c) Upgrade the system firmware: select the "Upgrade" option, select the firmware that needs to be upgraded, and click "Upload image" to complete the upgrade operation;

Settings -	System +			
	Log			
Upgrade new firmware image	Upgrade			
Check "Keep Settings" to retain the curren	Reboot			
Keep Settings	Reset			
Select upgrade Firmware				
Upload Image				



d) Restart the machine: select "Reboot" and click "Reboot Now";

Settings -	System +	
	Log	
Reboot Miner	Upgrade	
	Reboot	If you press the Reboot button, this web interface will become unavailable. Please wait until the reboot cycle is completes.
	Reset	O Reboot Now
10 100 1 107 (and as benefit		

e) Machine restore the factory settings, select "Reset" and click "Reset Now";

