# INNOSILICON

# **T3S-39T BTC**

# **USER MANUAL**



#### 

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INNOSILICON

#### **1.Overview**



#### Specifications

Part Number	T3S-39T
Algorithm	Sha256
Size $(L \times W \times H)$	422mm(L)*142mm(W)*201mm (H)
Net Weight	9.38KG
Operating Temperature	040 ℃ (device junction temperature)
Network Connection	Ethernet

Typical Hash rate and Power Dissipation parameters under the four Modes: (Pls

Mode	Factory	Balance	Efficient	refer to 3.5.1
Hash rate	39TH±5%	35TH±5%	31TH±5%	in the manual for mode
Power dissipation	$2150W \pm 10\%$	$1900W \pm 10\%$	$1500W \pm 10\%$	modification)

#### 2. Assemble the miner

#### 2.1 Open the package to check the miner

- Check whether the warranty sticker is damaged, especially the one on hash boards PSU port side. If the warranty sticker is damaged when you receive the miner, please contact our after-sales personnel in time.
- Before assembling the miner, pls shake the miner gently. Please contact our after-sales personnel immediately if there is metallic collision sound.
- Check whether the two fans work well, if you find the fans broken please contact our after-sales personnel.
- The wiring of the miner shall not be changed.



Notes:

There is an indicator on each hash board which shows the work status of the hash board. Being constantly lit means the hash board works properly.

Flickering represents overtemperature of the hash board. Please check the fans of the miner, environment temperature and the ventilation conditions.

Being off means the hash board doesn't work. Please try to reboot the miner or change the data cable. Pls contact our after-sales team if the problem still exists.

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#### 2.2 Assemble & Operate

Connect the miner and the router by the Ethernet cable and then the miner can start to run after being powered on.

Notes: T3S-39T miners consume much more power under some modes. Pls choose proper sockets.



Normal Indicator: Being constantly lit represents static IP and flickering represents DHCP

Fault Indicator: Being on means there is something wrong with the network; Being off means it is OK.

IP SET button:

Press it for 1 to 4 seconds and the following functions can be realized:

(1) Sending the IP miner to the "Set IP" tool;

(2) Changing the miner to a Static IP within the specific range with the IPset tool

Press it for 4 to 15 seconds, the miner IP will be switched to DHCP and the pool settings will be restored to default settings.

Press it for 15 to 30 seconds to switch the Dynamic (Static) IP to Static (Dynamic).

**RESET button:** Press the "Reset" button to restart the miner.

#### 3.Operate the miner

#### 3.1 Enter the miner console

DHCP is the default IP mode of the miner (The normal indicator of the control board now is flickering in green when the DHCP service of the router is enabled.). Find the IP via the IP scanner or the SetIP tool developed by our company. Pls refer to the official support center for the downloading address: <a href="https://www.innosilicon.com/html/support\_en/tool.html">https://www.innosilicon.com/html/support\_en/tool.html</a>.

a. Save SetIP in the pc on the same network with the miner, then double click the tool and choose the language.

IP 2018/05/16				
on Info				
Value	MinerList			
al IP: 10.0.100.201 Auto Fill IP	Miner IP	New IP	MAC	Status
MinerIP: Watch WinerIP				
ify: 10.0.100 . 1 ~ 254				
fask: 255.255.255.0				
eway: 10.0.100.1				
8.8.8.8 114.114.114.114	C	noose language		
o. Get Net Perso C 0.100 0.100 0.1754 0.100 0.1754 0.100 0.100 0.100 0.100 0.100 0.100 1.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.100				

#### b. Report the miner IP



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Enter the IP of the miner in the browser and press the Enter button to go to the miner console page. Chrome is the suggested browser. (Please try with dragonadmin if the password admin is invalid.)

INNOSILICON	
Sign In	
Username admin	
Password admin	
Login	

#### 3.2 Configure the pool

Pls configure the pool to start mining after login.

Please use the suggested pool as below:

1 f2pool: stratum+tcp://btc-65536.f2pool.com:3333

2 poolin: stratum+tcp://btc-bj.ss.poolin.com:1800 or stratum+tcp://btc-sz.ss.poolin.com:1800

3 ckpool: stratum+tcp://cn.ckpool.org:443 or stratum+tcp://pool.ckpool.org:3333

4 btc.top: stratum+tcp://t2.btc.top:8888 or stratum+tcp://bak.t2.btc.top:3333

5 slushpool: stratum+tcp://stratum.slushpool.com:3333

INNOSILICON & Miner Status	Settings Mining Pools	🚨 admin 🧳
Cools	Pool 1 Pls add "stratum+tcp" before the pool URL	
Security Network	URL stratum+tcp://btc-bj.ss.poolin.com:1800	
♥ Maintenance	Worker	
Overview	a inminer.worker	
G Logout	Password	
	•	
	Pool 2	Pool 3
	URL	URL
	stratum+tcp://stratum.slushpool.com:3333	Pool URL
	Worker	Worker
	kgdu.worker	Pool Worker
	Password	Password
	A x	Pool Password

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#### 3.3 View the miner hash rate

After configuring the pool, the miner will mine for you. You can view the hash rate in the Miner Status screen.

DRANNMINT	Miner Status Live Data (auto-refiresh)		🚨 admin 🖌	1 hr
✿\$ Settings ↓ ♥ Maintenance ↓	S Please note the miner is autotuning, hashrate may vary until com	pletion!		Y
<ul> <li>Overview</li> <li>Logout</li> </ul>	50m         99.5% (1539/1)           O up time         A accepted rate           2.35 TH/s         100%           A bask rate         X fan speed	100 THs Oran 1 Oran 2	Chan 3 tos	
		hashrate g	raph	
	Pools			
	Prod         User           1         stratum-top.//dcr.uppool.on.3272         DsU/R6/JMF8da1           2         stratum-top.//dcr.ed.mine.zpool.ce.5744         SC22MVV8pMe	Status St	Get Works         Accepted / Rejected           27         1539/1           0         0/0	
1	Miner Info * Hash Rate Catus 1 794.79 GH/s Allore 2 794.79 GH/s Allore	Accepted Rejected HW 474/0 3 519/1 1	Temperature 63°C	
	3 785.34 GH/s Afre	545/0 5	61 °C	

## 3.4 Network configuration

	Miner Status		
	¢: Settings		
	Pools	Network Settings	
	Security	if you want t	o use the static IP, please click here unselect the DHCP
	Network	DHCP	Please check this box if you want the miner to receive an IP address automatically from your DHCP server.
	♥ Maintenance ↓	IP	20.20.20.105
	<ul> <li>Overview</li> <li>Logout</li> </ul>	Netmask	255 255 255 0
		Gateway	20.20.20.1
	1	DNS 1	208.67.222.222
	-	DNS 2	Name Server 2
		Opdate	
X			
Y			
	2		

## 3.5 Other pages

## 3.5.1 Change the operation mode

There are 4 modes available and please click the "Save" icon after your modification.

P	Performance				
	Profiles				
	There are 4 tuning modes				
	1. Efficiency the miner will use less pov	wer but the hash rate will be lower			
ice	<ol> <li>Balanced recommended value to ach</li> <li>Factory the miner will work factory value</li> </ol>	hieve balanced hash rate and power consumption ralues			
e	<ol> <li>Performance high hash rate and high</li> </ol>	h power consumption			
	Please note basbrate will vary during the fus	nina process.			
set			0		
	Efficiency	Balanced	Factory	y .	Performance
	Tuning Status				
	Current Mode	factory			
	Tuning Status	tuned			
	_				
5.2 Ove	erview				
.2 Ove	erview	~			
5.2 Ove	erview		Network Status		
5.2 Ove	Version Type	829	Network Status Type	dhcp	
S.2 Over Miner Status Settings Alaritenance Overview Logout	Version Type Controller Version	E29 g19	Network Status Type IP	dhcp 20.20.105	
Anter Status Settings Aanterance Deerview Logout	Version Type Controller Version MAC Address	B29 g19 a015045002194	Network Status Type IP Netmask	dhcp 20.20.20.105 255.255.255.0	
Anter Status Settings Aartenance Overview Logout	Version Type Controller Version MAC Address Build Dats firmware V	E29 g19 #0250455002194 Yersion 17th of April 2018 12:42 FM	Network Status Type IP Netmask Gateway	dhcp 20.20.20.105 255.255.255.0 20.20.20.1	
A COVE	Version Type Controller Version MAC Address Build Date firmware V Platform Version	B29 g19 a02045002194 Yersion 17th of April 2018 12:42 PM b29,20180417,124258	Network Status Type IP Netmask Gateway Name Server 1	dhcp 20.20.20.105 255.255.255.0 20.20.20.1 208.67.222.222	
5.2 Ove	Version Type Controller Version MAC Address Build Date firmware V Platform Version	829 g19 a0:b0:45:00:21:94 <b>Version</b> 17th of April 2018 12:42 PM b29,20180417,12:42:58	Network Status Type IP Netmask Gateway Name Server 1 Name Server 2	dhcp 20.20.20.105 255.255.255.0 20.20.20.1 208.67.222.222	
Anternance	Version Type Controller Version MAC Address Build Date firmware V Platform Version	829 g19 a050x15002f94 Version 17th of April 2018 12:42 PM b29_20180417_124258	Network Status Type IP Netmask Gateway Name Berver 1 Name Berver 2	dhop 20.20.20.105 255.255.255.0 20.20.20.1 208.67.222.222	
5.2 Ove	Version Type Controller Version MAC Address Build Date firmware V Piatform Version	829 g19 a050x15002194 version 17th of April 2018 12:42 PM b29_20180417_124258	Network Status Type IP Netmask Gateway Name Server 1 Name Server 2	dhop 20.20.20.105 255.255.25 20.20.20.1 206.67.222.222	
5.2 Ove	Version Type Controller Version MAC Address Build Date firmware V Platform Version	829 g19 a0.504.500.21.94 version 178h of April 2018 12.42 PM b29_20180417_124258	Network Status Type IP Netmask Gateway Name Server 1 Name Server 2 086.08:10 up 57 min, load average: 0 55336 kb / 250544 kb	dhop 20.20.20.105 255.255.25 20.20.20.1 208.67.222.222	
S.2 Ove	Version Type Controller Version MAC Address Build Data firmware V Platform Version	829 919 #0 50 45 500 2194 Version 17th of April 2018 12:42 PM b29, 20180417, 12:4258	Network Status Type IP Netmask Gateway Name Server 1 Name Server 1 Name Server 2	dhop 20.20.20.20.105 255.255.255.0 20.20.20.1 208.67.222.222	
5.2 Ove	Version Type Controller Version MAC Address Build Date firmware V Platform Version	829 g19 a0.00.45.00.21:94 Version 17/br of April 2018 12:42 PM b29_20180417_124258	Network Status Type IP Netmask Gateway Name Server 1 Name Server 2 08:08:10 up 57 min, load average: 0 55336 kb / 250544 kb 25336 kb / 250544 kb 25336 kb / 250544 kb	dhcp 20.20.20.105 255.255.255.0 20.20.20.1 208.67.222.222	
5.2 Ove	Version Type Controller Version MAC Address Build Date firmware V Platform Version	829 919 a0.00.45.00.2794 <b>Version</b> 17th of April 2018 12:42 PM b29,20180417,124258	Network Status Type IP Netmask Gateway Name Server 1 Name Server 2 06608:10 up 57 min, load average 0 55336 kb / 25054 kb 200 35076 kb / 25054 kb	dhcp 20.20.20.105 255.255.255.0 20.20.20.1 208.67.222.222	

Innosilicon After-sales Team Email: miner\_support@innosilicon.com.cn 7

3.5.3 Fi	rmware	upgrade		
👔 Miner Status	/			
✿\$ Settings - ♥ Maintenance -	Upgrade		Latest Firmware	
Firmware Reboot	1. The update.swu fl 2. Do not power off	le should be obtained from our support center or refresh this page during the upgrade process	Check for firmware updates.	
Factory Reset	3. All your settings v	/ill be preserved 透耀文件 未选择任何文件	Check Now	
C+ Logout				
	Upgrade Now	select the firmware file		
				*
st	tart update	N .		
	`			
3.5.4 M	odify th	e login password		
Miner Status				
¢: Settings	Change password			
Pools Security		admin		_
Network	User	aumin		_
₩ Maintenance -	New Password	Current Password		
<ul> <li>Overview</li> <li>Lagout</li> </ul>	Confirm Password	Confirm Password		
		2		
	Update			
	Y			
3.5.5 Re	eboot			
Miner Status	1			
¢€ Settings ↓ ♥ MaIntenance ↓	Reboot Miner			
Firmware	This web interface w	ill became unavailable after your press the Reboot button	Please wait until the reboot cucle completes	
Factory Reset	interface interface in	2	Juc and the record of the completest	
Overview	Reboot Now			

3.5.6 F	Factory reset	
<ul> <li>Miner Status</li> <li>Settings</li> <li>Haintenance</li> <li>Firmvære</li> <li>Reboot</li> <li>Foctory Reset</li> <li>Overview</li> <li>Logout</li> </ul>	Factory Reset 1 Pools settings and passwords will be reset to factory defaults. This web interface will be 2 ne unavailable after your press the reset button and the miner will be restarted. Please wait until the reboot cycle complete. Reset Now	