whatsminer

WhatsMiner

M7X Series

Product Manual

MicroBT

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Catalog

1. M73S+ 1
2. M73S 2
3. M73 3
4. M79S 4
5. M79 5

6. M76S+ 6
7. M76S 7
8. M76 8
9. M78S 9
10. M78 10

11. M70S+ 11
12. M70S 12
13. M70 13
14. M72S 14
15. M72 15

WHATSMINER M73S+

Hydro-cooling (Outlet temperature up to 70 ℃)



SPECIFICATION

Power Ratio	12.5 J/T ± 5%
Hashrate	540 T - 600 T ± 10%
Weight	29.5 kg (Net) 32 kg (Gross)
Size with Handle	663 mm x 482. 6 mm x 86 mm
Input Voltage	AC 380 V - 480 V
Coolant Demand	About 1 L
Power Cable Model	Custom made, ⩾ 16 A
Internet Connection	Ethernet
Power	7200 W ± 10% @normal mode 10 kW ± 10% @high performance mode

WHATSMINER M73S

Hydro-cooling (Outlet temperature up to 70 ℃)



SPECIFICATION

Power Ratio	13.5 J/T ± 5%
Hashrate	500 T - 552 T ± 10%
Weight	29.5 kg (Net) 32 kg (Gross)
Size with Handle	663 mm x 482. 6 mm x 86 mm
Input Voltage	AC 380 V - 480 V
Coolant Demand	About 1 L
Power Cable Model	Custom made, ⩾16 A
Internet Connection	Ethernet
Power	7200 W ± 10% @normal mode 10 kW ± 10% @high performance mode

WHATSMINER M73

Hydro-cooling (Outlet temperature up to 70 ℃)



SPECIFICATION	
Power Ratio	14.5 J/T ± 5%
Hashrate	470 T - 526 T ± 10%
Weight	29.5 kg (Net) 32 kg (Gross)
Size with Handle	663 mm x 482. 6 mm x 86 mm
Input Voltage	AC 380 V - 480 V
Coolant Demand	About 1 L
Power Cable Model	Custom made, ⩾ 16 A
Internet Connection	Ethernet
Power	7200 W ± 10% @normal mode 10 kW ± 10% @high performance mode

WHATSMINER M79S

Hydro-cooling (Outlet temperature up to 70 ℃)



SPECIFICATION	
Power Ratio	13.5 J/T ± 5%
Hashrate	930 T - 1040 T ± 10%
Weight	37 kg (Net) 39.5 kg (Gross)
Size with Handle	585 mm x 368 mm x 133 mm
Input Voltage	AC 380 V - 480 V
Coolant Demand	About 1.5 L
Power Cable Model	Custom made, ⩾ 34 A
Internet Connection	Ethernet
Power	14 kW ± 10% @normal mode 20 kW ± 10% @high performance mode

WHATSMINER M79

Hydro-cooling (Outlet temperature up to 70 ℃)



SPECIFICATION	
Power Ratio	14.5 J/T ± 5%
Hashrate	870 T - 968 T ± 10%
Weight	37 kg (Net) 39.5 kg (Gross)
Size with Handle	585 mm x 368 mm x 133 mm
Input Voltage	AC 380 V - 480 V
Coolant Demand	About 1.5 L
Power Cable Model	Custom made, ⩾ 34 A
Internet Connection	Ethernet
Power	14 kW ± 10% @normal mode 20 kW ± 10% @high performance mode

WHATSMINER M76S+

Immersion Cooling



SPECIFICATION

Power Ratio	12.5 J/T ± 5%
Hashrate	390 T - 440 T ± 10%
Weight	18 kg (Net) 19 kg (Gross)
Size with Handle	401 mm x 267.5 mm x 147 mm
Input Voltage	AC 380 V - 480 V
Power Cable Model	Custom made, ⩾16 A
Internet Connection	Ethernet
Power	5200 W ± 10% @normal mode 7000 W ± 10% @high performance mode

WHATSMINER M76S

Immersion Cooling



SPECIFICATION

Power Ratio	13.5 J/T ± 5%
Hashrate	362 T - 406 T ± 10%
Weight	18 kg (Net) 19 kg (Gross)
Size with Handle	401 mm x 267.5 mm x 147 mm
Input Voltage	AC 380 V - 480 V
Power Cable Model	Custom made, ⩾16 A
Internet Connection	Ethernet
Power	5200 W ± 10% @normal mode 7000 W ± 10% @high performance mode

WHATSMINER M76

Immersion Cooling



SPECIFICATION

Power Ratio	14.5 J/T ± 5%
Hashrate	336 T - 374 T ± 10%
Weight	18 kg (Net) 19 kg (Gross)
Size with Handle	401 mm x 267.5 mm x 147 mm
Input Voltage	AC 380 V - 480 V
Power Cable Model	Custom made, ⩾16 A
Internet Connection	Ethernet
Power	5200 W ± 10% @normal mode 7000 W ± 10% @high performance mode

WHATSMINER M78S

Immersion Cooling



SPECIFICATION

Power Ratio	13.5 J/T ± 5%
Hashrate	472 T - 522 T ± 10%
Weight	18 kg (Net) 19 kg (Gross)
Size with Handle	401 mm x 267.5 mm x 147 mm
Input Voltage	AC 380 V - 480 V
Power Cable Model	Custom made, ⩾16 A
Internet Connection	Ethernet
Power	7000 W ± 10% @normal mode 10 kW ± 10% @high performance mode

WHATSMINER M78

Immersion Cooling



SPECIFICATION	
Power Ratio	14.5 J/T ± 5%
Hashrate	440 T - 486 T ± 10%
Weight	18 kg (Net) 19 kg (Gross)
Size with Handle	401 mm x 267.5 mm x 147 mm
Input Voltage	AC 380 V - 480 V
Power Cable Model	Custom made, ⩾16 A
Internet Connection	Ethernet
Power	7000 W ± 10% @normal mode 10 kW ± 10% @high performance mode

WHATSMINER M70S+

Air Cooling



SPECIFICATION

Power Ratio	12.5 J/T ± 5% @25 °C	Hashrate	244 T - 280 T ± 5%
Weight	11.5 kg (Net)	Size	430 mm x 155 mm x 226 mm
Power On Wall	3140 W - 3500 W ± 10%	Internet Connection	Ethernet
Working Temperature	-5 °C - +35 °C	Power Cable Model	IEC C19, ⩾16 A
Air flow	350 CFM	Input Voltage	AC 220 V - 240 V

WHATSMINER M70S

Air Cooling



SPECIFICATION

Power Ratio	13.5 J/T ± 5% @25 °C	Hashrate	226 T - 258 T ± 5%
Weight	11.5 kg (Net)	Size	430 mm x 155 mm x 226 mm
Power On Wall	3140 W - 3500 W ± 10%	Internet Connection	Ethernet
Working Temperature	-5 °C - +35 °C	Power Cable Model	IEC C19, ⩾16 A
Air flow	350 CFM	Input Voltage	AC 220 V - 240 V

WHATSMINER M70

Air Cooling



SPECIFICATION

Power Ratio	14.5 J/T ± 5% @25 °C	Hashrate	214 T - 236 T ± 5%
Weight	11.5 kg (Net)	Size	430 mm x 155 mm x 226 mm
Power On Wall	3140 W - 3500 W ± 10%	Internet Connection	Ethernet
Working Temperature	-5 °C - +35 °C	Power Cable Model	IEC C19, ⩾16 A
Air flow	350 CFM	Input Voltage	AC 220 V - 240 V

WHATSMINER M72S

Air Cooling



SPECIFICATION

Power Ratio	13.5 J/T ± 5% @25 °C	Hashrate	264 T - 300 T ± 5%
Weight	25.5 kg (Net)	Size	367 mm x 200 mm x 296 mm
Power Cable Model	SA2-30, ⩾ 10 A	Air Flow	600 CFM
Internet Connection	Ethernet	Input Voltage	AC 380 V - 480 V
Power on Wall	4000 W ± 10% @normal mode 6000 W ± 10% @high mode	Wokring Temperature	0 ° C - 40 ° C @normal mode 0 ° C - 30 ° C @high mode

WHATSMINER M72

Air Cooling



SPECIFICATION

Power Ratio	14.5 J/T ± 5% @25 °C	Hashrate	246 T - 278 T ± 5%
Weight	25.5 kg (Net)	Size	367 mm x 200 mm x 296 mm
Power Cable Model	SA2-30, ⩾ 10 A	Air Flow	600 CFM
Internet Connection	Ethernet	Input Voltage	AC 380 V - 480 V
Power on Wall	4000 W ± 10% @normal mode 6000 W ± 10% @high mode	Wokring Temperature	0 ° C - 40 ° C @normal mode 0 ° C - 30 ° C @high mode

Immersion Cooling Miner parameters

ENVRIONMENTAL PARAMETERS

Liquid Flow

For M76S+, M76S, and M76

- ☐ Rated flow: ⩾ 24 L/min
- ☐ Flow control accuracy: ± 10%

For M78S, M78, and M68S++

- ☐ Rated flow: ⩾ 25L/min
- ☐ Flow control accuracy: ± 10%

Liquid Medium

Insulating liquid (S5X/S3X)

Note: It is suggested not to use any other coolant other than the recommended Shell S5X/S3X.

Humidity

- ☐ Storage humidity: 5% RH - 95% RH (non-condensing)
- ☐ Long-term storage humidity: 30% RH - 69% RH (non- condensing)

More specs

Video intro

Hydro-Cooling Miner parameters

ENVRIONMENTAL PARAMETERS

Liquid Flow

For M73S+, M73S, and M73

- ☐ Rated flow: ⩾ 10 L/min
- ☐ Flow control accuracy: ± 10%

For M79S, M79, and M69S++

- ☐ Rated flow: ⩾ 20 L/min
- ☐ Flow control accuracy: ± 10%

Note: Empty the liquid inside the miner during storage and transportation.

Liquid Pressure

⩽400 Kpa

Note: When the liquid pressure is more than 400 kPa, hydro-cooling plates will be deformed and a risk of liquid leakage will be caused.

Liquid Medium

Pure water (or distilled water) + special corrosion inhibitor + antifreeze (select a ratio according to a freezing point)

Liquid PH

Control range: 7 - 8.7

Humidity

- ☐ Working humidity: 5% RH - 85% RH (non-condensing)
- ☐ Storage humidity: 5% RH - 95% RH (non-condensing)
- ☐ Long-term storage humidity: 30% RH - 69% RH (non- condensing)

More specs

Video intro