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TIANQI Mining Container

Air-Cooled · Hydro-Cooled · Gas-Mining Solutions

Engineered containers, cooling systems, and power solutions for industrial-scale mining sites.

2026

The Miners Choice

TIANQI, EST. 2018

TIANQI Mining Containers has earned its reputation as a trusted infrastructure partner through years of engineering and manufacturing industrial-grade Bitcoin mining containers and large-scale computing solutions for diverse deployment environments.



ENGINEERS ON SITE

Our engineering expertise doesn't stop at the factory floor. At TIANQI, we work closely with clients during site planning, installation, and commissioning to ensure each mining container is deployed correctly and operates as intended. From power integration to cooling layout and airflow optimization, our engineers design solutions based on real operating conditions—ensuring reliability, safety, and long-term performance on site.

SOLUTIONS DEPLOYMENT

Our containerized mining solutions are designed for a wide range of environments and energy scenarios. From hot deserts and remote locations to grid-connected or energy-integrated sites, TIANQI systems are engineered to adapt to different power sources, cooling requirements, and deployment scales. Each solution is tailored to meet the specific operational needs of the site, ensuring optimal performance and scalability.

ENGINEERED EFFICIENCY

At TIANQI, efficiency means more than energy savings—it means building infrastructure that performs reliably over time. Through optimized container layouts, proven cooling architectures, and in-house manufacturing processes, we deliver systems that maximize uptime, simplify maintenance, and reduce long-term operational costs. Every detail is engineered with durability, precision, and real-world performance in mind.

EUROPE AND MIDDLE EAST REGION

AMERICAS REGION North and South America



AFRICAN REGION Ethiopia, Uganda, Senegal

ASIA PACIFIC

POINTS OF PRESENCE

With active mining projects currently operating in more than 20 countries worldwide, TIANQI Mining Containers continues to expand its global footprint to better serve international clients. We design and manufacture containerized mining infrastructure tailored to regional requirements, while delivering on-site technical support and services to ensure customers achieve stable, long-term performance from their mining operations.



COMPREHENSIVE PRODUCT RANGE

We are committed to offering a comprehensive portfolio of mining infrastructure solutions that help customers build faster, operate longer, and scale with confidence.

Each TIANQI product delivers tangible operational benefits on its own. When deployed as a complete system, our solutions work seamlessly together to maximize uptime, improve thermal efficiency, enhance equipment longevity, and reduce operational risk—ultimately lowering the total cost of ownership across the entire mining lifecycle.

From single containers to large-scale sites, TIANQI infrastructure is built for performance, reliability, and long-term value.

MODULAR MINING INFRASTRUCTURE FOR ALL APPLICATIONS

TIANQI mining containers and infrastructure systems deliver a proven combination of performance, efficiency, and long-term reliability. Designed for large-scale Bitcoin mining and high-density computing applications, our solutions are engineered to operate continuously in some of the world's most demanding environments.

From air-cooled and hydro-cooled mining containers to power distribution, cooling systems, and auxiliary infrastructure, TIANQI solutions are built to maximize uptime while minimizing operational risk. Our modular designs enable rapid deployment and flexible scaling—helping clients accelerate site construction while maintaining consistent performance.

All TIANQI systems are manufactured in our own facilities under strict quality control standards. Key structural, electrical, and thermal components are produced using high-grade materials and validated through real-world operating conditions to ensure durability, stability, and long service life.

Compatibility and integration are central to our design philosophy. TIANQI infrastructure supports a wide range of mining hardware, cooling architectures, and power configurations. Standardized interfaces are combined with customizable options to meet site-specific requirements, ensuring seamless integration across diverse projects and regions.

“...delivers higher uptime, improved efficiency, and a lower total cost of ownership.”

Our culture of continuous engineering improvement ensures that every TIANQI solution is optimized for real-world operation. Through performance validation, on-site commissioning support, and ongoing technical refinement, we help clients achieve stable, long-term returns from their mining infrastructure.

From single-container deployments to multi-megawatt sites, TIANQI mining infrastructure is built to perform—reliably, efficiently, and at scale.



Hydra-WHATSMINER 240 SPECIFICATIONS



Physical

Model	Whatsminer240
Miner Capacity	240 2U miners Bitdeer\Bitmain\Avalon
Container Type	40ft HC Container(CSC)
External Dimensions(LxWxH)	12192*2438*2896mm

Electrical

Regional Applicability	3C\IEC\NEC\NFPA\UL\CSA\TUV
Max.Operation Power	3000KW
Safety	20% safety margin, pure copper cable, three-level circuit breaker protection
Switchgear	2*2500A (LSIG) Smart

Key Features

Liquid Control	Through dry coolers, an AI system maintains a constant inlet water temperature year-round.
Smart Management	After initial startup, the system operates fully automatically with continuous monitoring, automatic fluid management, safety alarms, temperature control, and emergency shutdown protection.
Pump	2x304 stainless steel water pumps one in use and one on standby Centrifugal pumps, global after-sales service.
Pipes and Valves	All pipeline valves and quick-connect fittings are made of stainless steel.

Hydra- Ant 420 SPECIFICATIONS



Hydra- CDU SPECIFICATIONS



Physical

Model	Ant420
Miner Capacity	420 S19 S21 S23 Hydro miners
Container Type	40ft HC Container(CSC)
External Dimensions(LxWxH)	12192*2438*2896mm

Electrical

Regional Applicability	3C\IEC\NEC\NFA\UL\CSA\TUV
Max. Operation Power	2500KW TN-S
Safety	20% safety margin, pure copper cable, three-level circuit breaker protection
Switchgear	4*1200A (LSIG) Smart

Key Features

Liquid Control	Through dry coolers, an AI system maintains a constant inlet water temperature year-round.
Smart Management	After initial startup, the system operates fully automatically with continuous monitoring, automatic fluid management, safety alarms, temperature control, and emergency shutdown protection.
Pump	2x304 stainless steel water pumps one in use and one on standby Centrifugal pumps, global after-sales service.
Pipes and Valves	All pipeline valves and quick-connect fittings are made of stainless steel.

Physical

Model	Skid-Mounted Intelligent Pump Group
Design cooling capacity	3000 kW
Transportation	40HQ&20GP

Electrical

Regional Applicability	3C\IEC\UL
CDU Operation Power	65kw TN-S

Key Features

Liquid Control	Through dry coolers, an AI system maintains a constant inlet water temperature year-round.
Smart Management	After initial startup, the system operates fully automatically with continuous monitoring, automatic fluid management, safety alarms, temperature control, and emergency shutdown protection.
Pump	2x304 stainless steel water pumps one in use and one on standby Centrifugal pumps, global after-sales service.
Pipes and Valves	All pipeline valves and quick-connect fittings are made of stainless steel.

ARK2000 Pro SPECIFICATIONS



Physical

Model	ARK2000 Pro
Miner Capacity	144/162/189 S21 Miners (Avalon、Bitmain、Bitdeer all air miners can run)
Container Type	20ft HC Container
External Dimensions(LxWxH)	5850*2200*2560mm

Electrical

Regional Applicability	3C\IEC\NEC\NFPA\UL
Max. Operation Power	750KW TN-S (3.84kw)
Safety	20% safety margin, pure copper cable, three-level circuit breaker protection
Switchgear	1*1200A Smart switchgear

Key Features

Fans	8*Direct-drive fan Custom-designed for mining, heat-resistant and maintenance-free, featuring a 0.75kW three-phase motor with stainless steel fan blades.
Water curtain	Custom water curtain, effectively reduces temperature by 15° C (59° F)



ARK4000 Pro SPECIFICATIONS



Physical

Model	ARK4000 Pro
Miner Capacity	315/324/378 S21 Miners (Avalon、Bitmain、Bitdeer all air miners can run)
Container Type	40ft HC Container
External Dimensions(LxWxH)	11750*2200*2560mm

Electrical

Regional Applicability	3C\IEC\NEC\NFPA\UL
Max. Operation Power	1468KW TN-S (3.84kw)
Safety	20% safety margin, pure copper cable, three-level circuit breaker protection
Switchgear	2*1200A Smart switchgear

Key Features

Fans	16*Direct-drive fan Custom-designed for mining, heat-resistant and maintenance-free, featuring a 1 kW three-phase motor with stainless steel fan blades.
Water curtain	Custom water curtain, effectively reduces temperature by 15° C (59° F)

ARK5000 Pro SPECIFICATIONS



Products are evaluated against the National Fire Protection Association requirements, the National Electrical Code (NEC) and other nationally recognized U.S. standards requirements.

Physical

Model	ARK5000 Pro
Miner Capacity	315 S21 Miners (Avalon、Bitmain、Bitdeer all air miners can run)
Container Type	40ft HC Container
External Dimensions(LxWxH)	11750*2200*2560mm

Electrical

Regional Applicability	Overall certified by CSA Field Evaluations for Electrical Products Special Inspections for Electrical Products
Max. Operation Power	1468KW TN-S (3.84kw)
Safety	20% safety margin, pure copper cable, three-level circuit breaker protection
Switchgear	1*2500A Smart switchgear (ACB LSIG)

Key Features

Fans	16*Direct-drive fan Custom-designed for mining, heat-resistant and maintenance-free, featuring a 1 kW three-phase motor with stainless steel fan blades.
Water curtain	Custom water curtain, effectively reduces temperature by 15° C (59° F)

ARK1000 SPECIFICATIONS



Physical

Model	ARK1000
Miner Capacity	36/42/54/63/72/108 S21 Miners (Avalon、Bitmain、Bitdeer all air miners can run)
Container Type	10ft HC Container
External Dimensions(LxWxH)	Customized

Electrical

Regional Applicability	3C\IEC\NEC\NFPA\UL
Max. Operation Power	≥140kw TN-S (3.84kw)
Safety	20% safety margin, pure copper cable, three-level circuit breaker protection
Switchgear	1*400A Smart switchgear

Key Features

Fans	4*Direct-drive fan Custom-designed for mining, heat-resistant and maintenance-free, featuring a 0.55 kW three-phase motor with stainless steel fan blades.
Water curtain	Custom water curtain, effectively reduces temperature by 15° C (59° F)

Hydra- AIO200 SPECIFICATIONS



ARK4000 D Modular Split-Unit SPECIFICATIONS



Physical

Model	AIO200
Miner Capacity	34 S23 Hyd / 20 M63S++
Container Type	/
External Dimensions(LxWxH)	2520 (L) × 1360 (W) × 2325 (H)

Electrical

Regional Applicability	3C\IEC\NEC\NFPA\UL\TUV
Max. Operation Power	200KW TN-S
Safety	20% safety margin, pure copper cable, three-level circuit breaker protection
Switchgear	Phase cables for A/B/C must have an actual current-carrying capacity of no less than 370A.

Key Features

Easy	Plug and Play Includes all accessories except the power cord (coolant not included)
Smart Management	Fully automated intelligent variable-frequency temperature control, pressure & temp/humidity monitoring, fan on/off control, and power/voltage monitoring.
Pump	Two Grundfos pumps, one in operation and one on standby, with automatic failover in the event of a fault.
Dry Cooler	200 kW aluminum plate-fin heat exchanger with 4 EC fans

Physical

Model	ARK4000 D Modular Split-Unit
Miner Capacity	162 & 320 Miners (Avalon、Bitmain、Bitdeer all air miners can run)
Transportation	40HQ
External Dimensions(LxWxH)	11750*2550*2820mm & 5850*2550*2820mm (After assembly)

Electrical

Regional Applicability	3C\IEC\UL
Max. Operation Power	630KW / 1246KW TN-S (3.84kw)
Safety	20% safety margin, pure copper cable, three-level circuit breaker protection
Switchgear	1*1200A / 2*1200A Smart switchgear

Key Features

Save on shipping costs (50%)	35 MW mining deployment requires only 20 units of 40HQ containers for transportation
More space	Upon assembly, it offers greater internal space and superior heat dissipation compared to monolithic designs.
More flexible	Freely combine, join end-to-end, stack vertically, and arrange at will.

Gas500 Air SPECIFICATIONS



Gas250 Air SPECIFICATIONS



Physical

Model	Gas500 Air
Miner Capacity	168 S21 Miners (Avalon、Bitmain、Bitdeer all air miners can run)
Container Type	40ft HC Container
External Dimensions(LxWxH)	12192*2438*2896mm

Electrical

Regional Applicability	3C\IEC\NEC\NFPA\UL
Max. Operation Power	500KW TN-S
Safety	20% safety margin, pure copper cable, three-level circuit breaker protection
Switchgear	2*630A Smart switchgear

Key Features

All-in-One Integrated Design	Optional natural gas generators include Weichai, Yuchai, Cummins, etc.
Smart Combined Heat and Power	✓
Intelligent cooling system	Variable-frequency fan, automatic humidity control, video surveillance alarm

Physical

Model	Gas250 Air
Miner Capacity	90 S19 Miners (Avalon、Bitmain、Bitdeer all air miners can run)
Container Type	20ft HC Container
External Dimensions(LxWxH)	6058 x 2438 x 2896mm

Electrical

Regional Applicability	3C\IEC\NEC\NFPA\UL
Max. Operation Power	250kw TN-S (3.84kw)
Safety	20% safety margin, pure copper cable, three-level circuit breaker protection
Switchgear	1*630A Smart switchgear

Key Features

All-in-One Integrated Design	Optional natural gas generators include Weichai, Yuchai, Cummins, etc.
Smart Combined Heat and Power	✓
Intelligent cooling system	Variable-frequency fan, automatic humidity control, video surveillance alarm

OPTIONAL UPGRADES SPECIFICATIONS

A1- Metal Filter



Effect:

Detachable W-shaped metal filter, suitable for year-round use. Prevents rain splashes and snow intrusion.

A2-Sunshade Roof



Effect:

Modular triangular roof extending 1.5 m on both intake and exhaust sides for insulation and weather protection.

A3 - Adjustable Blinds



Effect:

Aluminum alloy adjustable blinds covering up to 90% of the intake side to optimize airflow direction.

A4- Hot & Cold Isolation



Effect:

Thermal isolation system preventing hot air recirculation and improving cooling efficiency.

OPTIONAL UPGRADES SPECIFICATIONS

A5- Internal Ceiling



Effect:

Creates a flat top and stable hot-air return path, eliminating airflow short-circuiting.

A6 - Stronger Fan



Effect:

High-efficiency EC direct-drive fan with higher airflow and factory pre-installation.

A7 - Expandable Sliding Aisle (Drawer-Type)



Effect:

Drawer-style expandable structure that allows the cold aisle or hot aisle to be widened as needed. The aisle width can be expanded up to 2.5 meters (\approx 8.2 ft), improving airflow organization and cooling efficiency.



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The Miners Choice