

**EMPOWERING TOMORROW'S TECHNOLOGY**  
NEXT - GENERATION INFRASTRUCTURE PLATFORMS



**Crypto MEDIUM**  
Crypto Mining Containers

**SMARTBOX** | SIMPLY  
BETTER  
CHOICE

[www.smartsystems.ee](http://www.smartsystems.ee)

## CRYPTO MEDIUM – 1 MW

### **Crypto MEDIUM**

Every Smart BOX solution is fully customized per project, ensuring tailored performance, efficiency, and seamless integration for each client's specific needs.

### **Crypto MEDIUM – Modular & Scalable Mining Infrastructure**

**Crypto MEDIUM** is a versatile and efficient mining solution designed for seamless scalability. Built for quick deployment and high-performance operations, it offers a secure, energy-efficient, and transport-ready infrastructure for cryptocurrency mining. Its modular design allows operators to expand from small-scale setups to large mining farms effortlessly.

With smart security features and optimized cooling, **Crypto MEDIUM** provides a cost-effective, reliable, and future-proof solution for modern mining operations. Whether for private or industrial-scale mining, it ensures maximum efficiency with minimal setup time.

# TECHNICAL INFO

## Power Input

- Input voltage: **415Y240**
- Configured for Busway trunking system
- **2000A, (3L + N + PE), 6 Tap-off boxes with switch-disconnectors or breakers**
- Primary-to-neutral configuration: **220-240 Volts**

## Cooling System

Industrial-grade cooling ensures optimal miner performance:

- **18 axial fans:** Equipped with EC motors, each providing **16,500 m<sup>3</sup>/h (9,712 CFM)** airflow @120Pa static pressure
- **Gravity louvers:** Standard, with optional smart louvers for enhanced control
- **Northern edition:**
  - Air re-circulation
  - Motorized louvers on air intake and outlet sides
  - Additional humidity sensors

## Smart Power Distribution Unit (SPDU)

Every Crypto MEDIUM container comes equipped with advanced SPDUs for maximum efficiency and control:

- **6 Smart BOX Systems PDU:** 54 x C19 outlets for miners, 6 x C19 additional for network switches etc.
  - 54 x 20A MCCB per PDU
  - High precision 54 metering devices per PDU
- Optional configurations using third parties Smart PDU with basic metering:
  - **12 SPDU:** 27 x C19 outlets, 20A
  - **18 SPDU:** 18 x C19 outlets, 20A
- **Features:**
  - Individual port switching and monitoring
  - UL or IEC-certified breakers

## Mining Capacity

- Shelving dimensions: **11,900 mm wide and 2,400 mm tall**
- Supports up to **324 x S21** miners or customizable for **4U GPUs**

## Air Intake System

Optimized airflow for enhanced cooling and reliability:

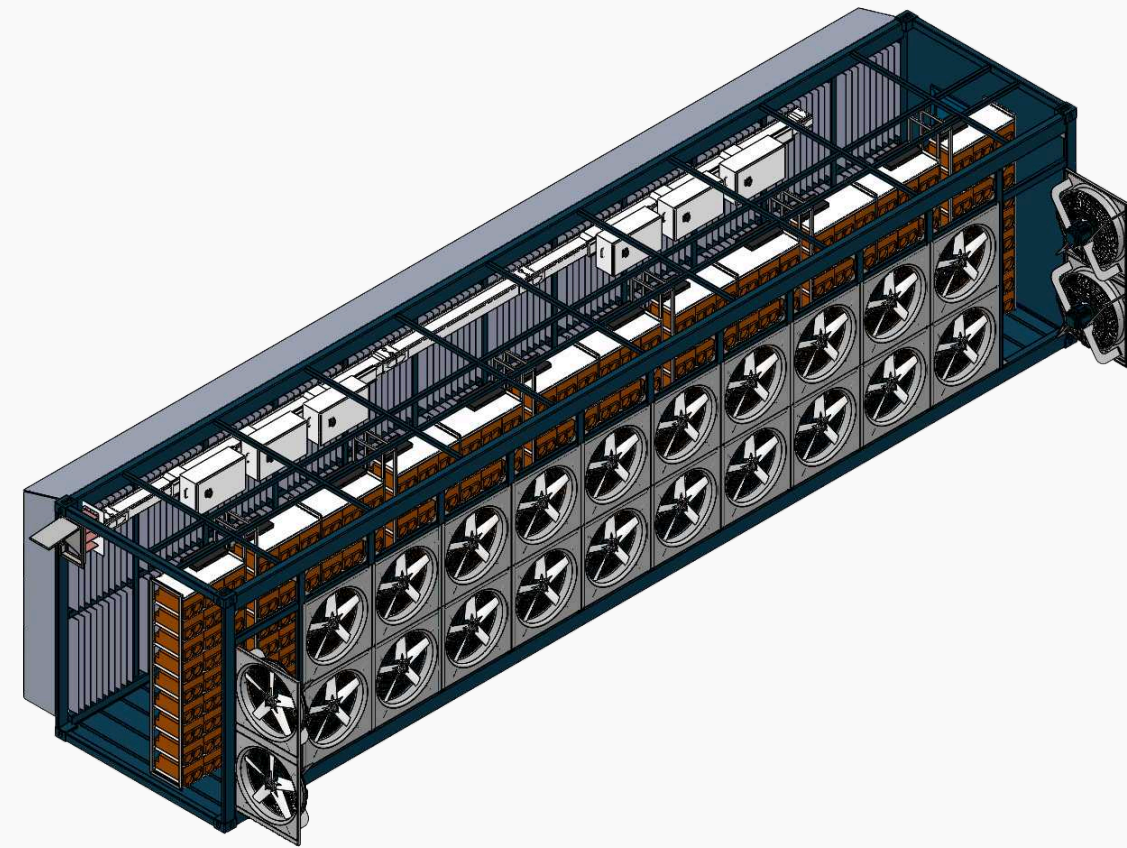
- **Special louver design:** Improves laminar flow
- **3 x filtering area** compared to standard louvers
- Individually designed pocket filters for superior air quality

## Enhanced Security

- Standard: Mechanical door lock with panic bar
- Optional: Smart door lock integrated with smartphone apps
- Security features:
  - **IR smart cameras** (internal and external)
  - **Alarm system and fire alarm integration**

## ENCLOSURE

- Welded steel frame for structural integrity
- **CSC certification** for multimodal shipping compliance
- Weight: **7 tons**
- Dimensions:
  - Length: **12,192 mm**
  - Width: **2,438 mm**
  - Height: **2,896 mm**



# PLAN



1. CSC certified & insulated enclosure
2. Cold aisle
3. Hot aisle
4. Pocket filters enclosure
5. Shelving system
6. Axial fans
7. Busway trunking system
8. Busway feed unit
9. Tap-off box
10. Smart Power Distribution, cooling control
11. Network switch

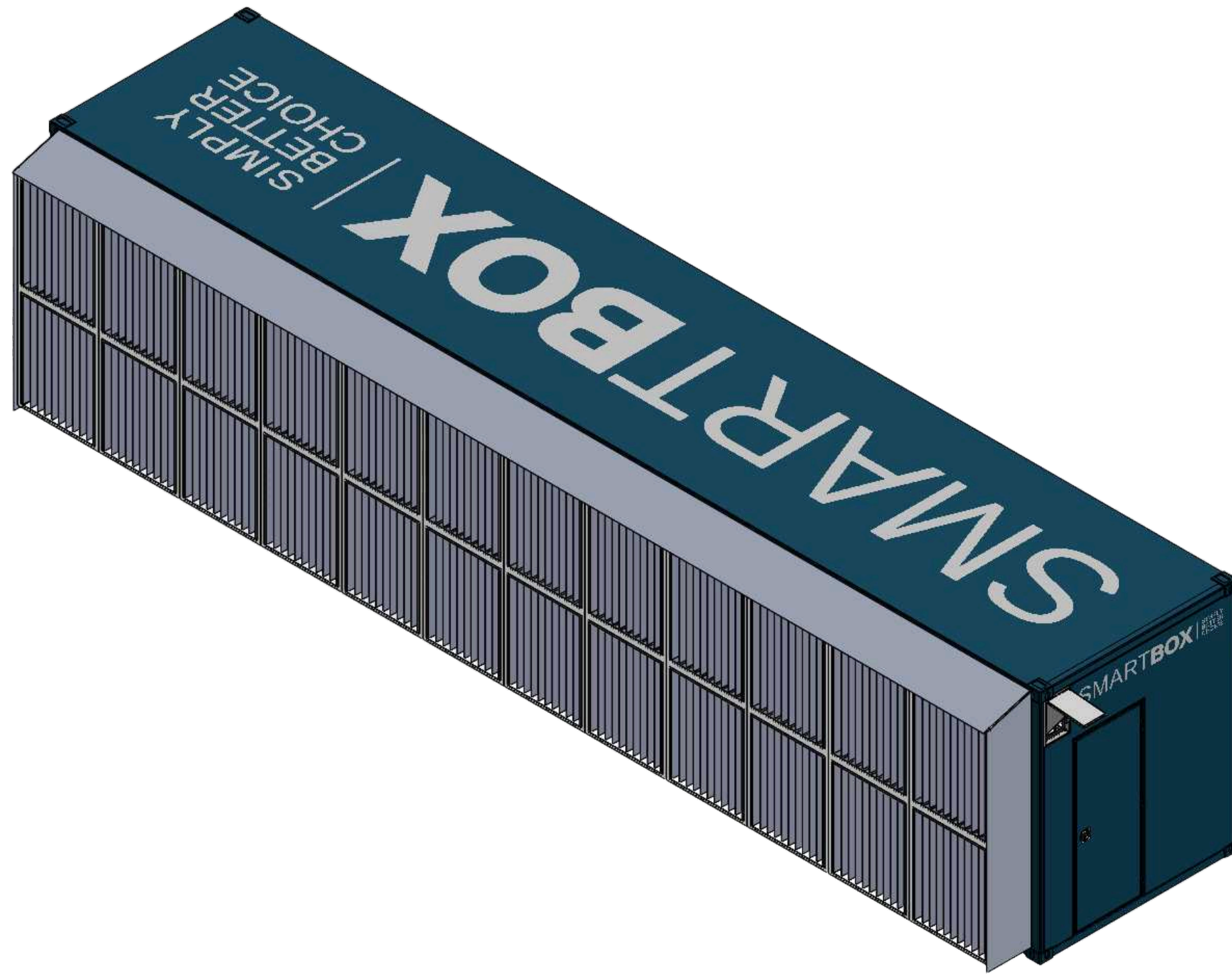
VIEW - A



VIEW - B

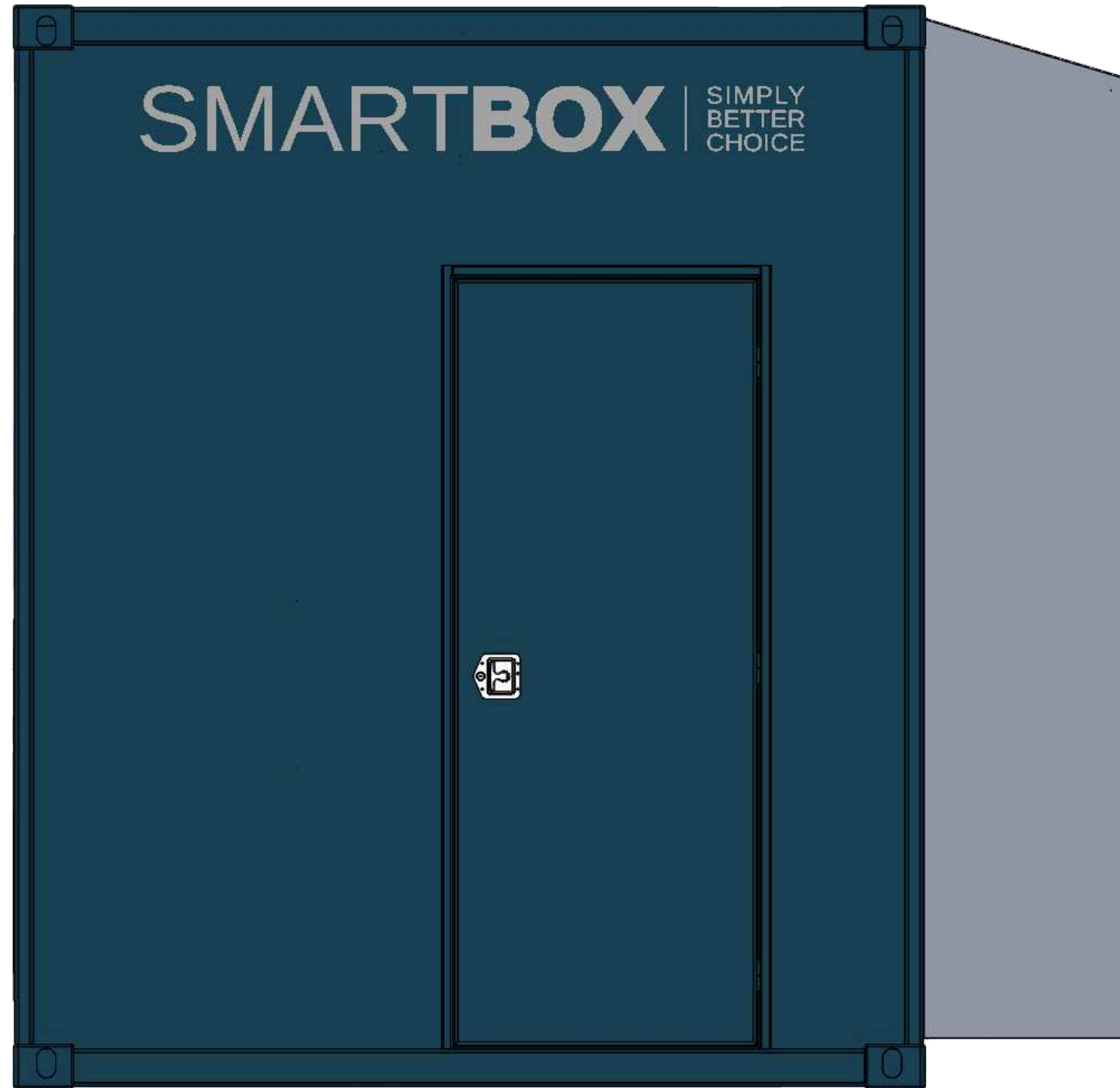


VIEW – C





VIEW – D



## TECHNICAL DESIGN

Our containers are meticulously designed in collaboration with industry-leading engineers, universities, and component specialists to ensure the highest product quality.

### **Tailored Metal Construction:**

Built specifically for AI and crypto mining, our containers match 20 and 40-foot shipping container dimensions for seamless global transport.

### **Transport-Friendly Design:**

For European clients: Containers are delivered via road transport. For international clients: Containers are shipped to the nearest port with CSC certification, ensuring compliance with maritime transport standards.

### **Custom Design Options:**

We can design and build containers with specialized features to meet your exact requirements.

## COMPONENTS

Smart BOX Systems uses only **premium-grade materials** and components in the manufacturing process to ensure durability and cost-effectiveness.

**Electrical Components:** Featuring Schneider Electric, renowned for reliability and performance.

**Optimized Racking Systems:** Durable and cost-effective materials for racks and electrical distribution systems.

**Comprehensive Testing:** Electrical installations adhere to the strictest quality control processes and industry best practices.



## SMART FEATURES AND AUTOMATION

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The **Crypto MEDIUM** is equipped with a state-of-the-art Smart Power Distribution Units (SPDU) and user-friendly interface:

- Enhanced seamless control and monitoring of power distribution and quality:
  - Voltage
  - Power factor
  - Active energy
  - Current
  - Active power

### **Climate Monitoring**

- Multiple point temperature and humidity monitoring system, integrated with motorized louvers automation.

### **Smart Security Systems**

- Smart door locks with smartphone app integration:
  - Notifications for unlocked or locked states.
- Comprehensive alarm system and video surveillance.

## CERTIFICATIONS

We ensure that all products meet international standards and client-specific regulatory requirements.

**CE and CSC Certifications:** All AI and crypto mining containers are certified for **safety, quality, and maritime transport compliance.**

**ISO Standards Compliance:** The manufacturing of our metal structures follows **ISO quality requirements.**

**Region-Specific Adaptations:** Upon request, we provide product certifications tailored to specific regions, ensuring compliance with local regulations.



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Discover how Smart BOX Systems can elevate your operations with premium, custom-built containers for AI computing and cryptocurrency mining.

**Let's work together.**

**Smart BOX Systems**

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