



C O M B O X
T E C H N O L O G Y

MOBILE UNIT COMBOX IC-960

Representative office in the Russian Federation: OOO «EVEREST» 194295,
St.Petersburg, Poetichski Bulvar, building 2H
+7 (812) 748-27-27

<https://combox.io>, info@combox.io

The mobile system COMBOX IC-960 with two-phase immersion cooling contains 960 video cards RX-470. The system, which is based on a standard 20-foot container, can be quickly delivered and installed in a place where optimal conditions for connecting to the circuit are ensured. The decision is intended for the installation in the street and does not require the long and expensive preparation of the premises.

There are 10 COMBOX IC-96 computational pulleys with two-phase immersion cooling inside the container. The using of such cooling system allowed to place the high-density video cards, to provide effective cooling and high fire safety.

Each COMBOX IC-96 computational pulley is connected to a liquid cooling outline. The circulating heat carrier passes through the capacitor of the computational pulley and the industrial drycooler installed above on the container. The transfer of the heat from the GPU to the cooling outline is take place to the boiling and condensation of the Novec liquid inside the pulley.

System features:

- The highest density of GPU installation in the world
- High degree of readiness for parallel computing, neural networks training, Digital Intelligence
- Fully automatic system
- Industrial computing boards SMART IC-6 are applied
- Remote control of all system components
- Dimensions: standard 20 feet container.
- Duty cycle: 24/7
- Temperature limits: -40 to + 40
- Cooling system: drycooler.
- Fire extinguishing system: gas, automatic.
- Power consumption: 170 kW
- Active LED illumination
- Safety system with access control and motion sensors
- Videocams with IR lighting
- Pre-heating system to start at high negative temperatures.
- Automatic and manual controlled powerful ventilation system.
- Self-test system



70%
implemented

Indicator	Value	Range Unit
Hashrate of 1 card	27	Mhash/s
Number of cards of container	960	pcs
Hashrate of container, 960 cards	25 920	Mhash/s
Power consumptions of container	170	kW/h
Energy efficiency of solution	0,153	Mhash/ W
Plan amount of produced ETH from a container	57,9	ETH/month