

# 4th GENERATION BLOCKCHAIN

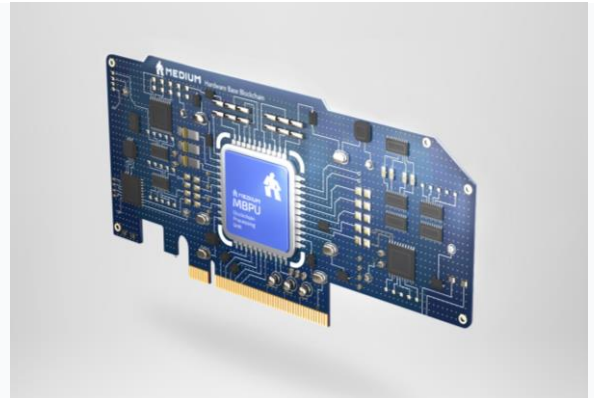


## H/W BLOCKCHAIN PLATFORM & MBPU TECHNOLOGY

### EXECUTIVE SUMMARY

#### H/W based hyper speed Platform Medium Blockchain Processing Unit : MBPU

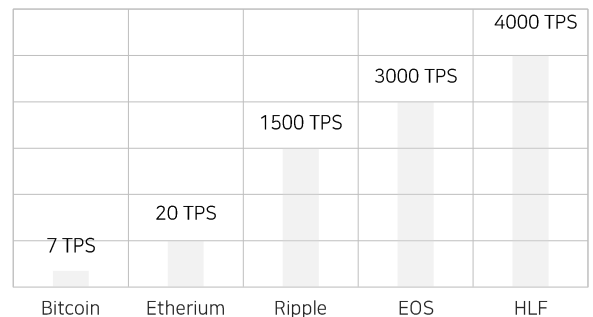
MEDIUM exclusively designed H/W for blockchain to overcome performance limitations of existing blockchains. We developed our own MBPU chip-performing blockchain core functions at HW level. MEDIUM builds an enterprise blockchain platform at the commercial level.



#### WHAT ARE LIMITATIONS OF BLOCKCHAIN?

MEDIUM exclusively designed H/W for blockchain to overcome performance limitations of existing blockchains. We developed our own MBPU chip-performing blockchain core functions at HW level. MEDIUM builds an enterprise blockchain platform at the commercial level.

\*TPS(Transaction Per Second) : Rate of processing required by enterprise blockchain system per second

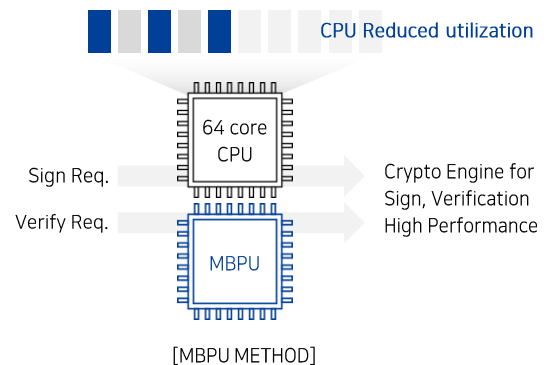
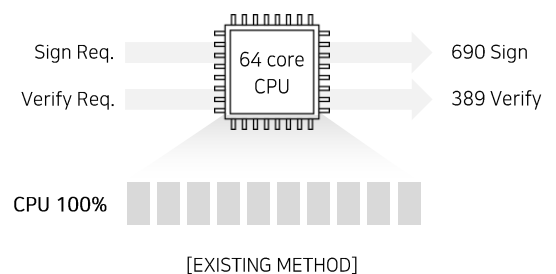


#### WHAT CAN BE DONE : MBPU

MEDIUM provides enterprise-class, high-performance and hyper-speed blockchain systems. MEDIUM has developed Medium Blockchain Processing Unit (MBPU), which is dedicated hardware for blockchain, with parallelization technology for executing instructions for transaction processing and concurrent processing threads for block creation.

#### MEDIUM BLOCKCHAIN IS THE ONLY SOLUTION TO OPERATE BIG TRAFFICS UP TO 1 MILLION TPS

For the upcoming worldwide project to develop tens of thousands of blockchain services, MEDIUM aims to eventually implement the 1Million TPS, and it will be a prime indicator of ensuring the performance of the fastest platform and the lowest cost. Our goal is contribute the true value of decentralization to take root in the global IT industry.

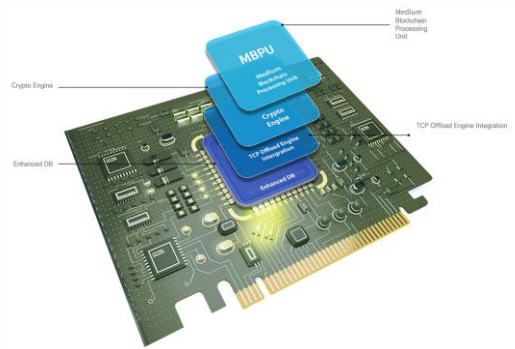


## WHAT WE'RE DOING

<p><b>H/W Oriented Improvement with MBPU Enhancement</b></p> <p>MEDIUM will design and develop our own MBPUs optimized for blockchain platform specific functions and command processing structures, and to improve processing performance of the entire platform.</p>	<p><b>Consortium Blockchain</b></p> <p>In order to ensure high throughput, MEDIUM aims to establish a permissioned blockchain network, which sets specific criteria for participation in blockchain nodes and form a consortium of representative institutions and establishing a MEDIUM blockchain platform for each continent</p>
<p><b>MEDIUM Appliance® use exclusively</b></p> <p>MEDIUM H/W equipment is a hardware device made up of dedicated chipset and board specially designed / developed to maximize the performance of MEDIUM MBPU, ensuring the optimum environment in which the operating system and software architecture of MEDIUM blockchain can be operated.</p>	<p><b>Co-location Service</b></p> <p>All node devices participating in the MEDIUM consortium network will be brought in and operated in a data center that is as close as possible to the Backbone network and is always pleasantly available to the high-speed Internet network.</p>

## WE'VE COMPLETED THE INCREDIBLE MODEL MBPU TO ACCOMPLISH

MBPU is the world's first HW based blockchain processor developed by MEDIUM. MBPU is composed of Crypto Engine, Enhanced DB, SC Engine, and NIC Engine. Each modules are designed to suit their data processing pattern and implemented to suit their structures. The bottlenecks using general purpose CPU for data computation and memory control mechanism can be resolved with MBPU's architectural module pattern.



[SMART CONTRACT PROCESSOR BOARD CONCEPT]

## 7 MODELS OF MEDIUM FOR IMPROVING TRANSACTION PROCESSING PERFORMANCE

Elements limiting the increase in performance	Solutions
[Issue1] Sign & Verification Process	[Solution1] Accelerating for Sign & Verification by Crypto Engine
	[Solution2] Sign Algorithm for Peer's Scalability
[Issue2] Data Processing	[Solution3] Data Serialization by Data Processing Engine
	[Solution4] High Performance Key-Value Storage
[Issue3] Operation Process of Smart Contract	[Solution5] Increase Smart Contract Parallelism
[Issue4] Network Overhead	[Solution6] TCP Offload Engine
[Issue5] Ordering Consensus	[Solution7] H/W based Ordering Consensus

## MEDIUM BLOCKCHAIN ECOSYSTEM

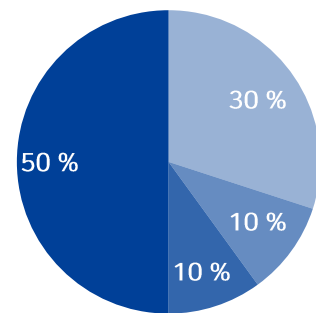
The MEDIUM blockchain platform will provide several forms of response to various types of infrastructure environments. When ICT service providers want to implement services using their decentralized network resources, MEDIUM will ensure a high-speed performance environment at low-cost. On the basis of the cryptocurrency system, MEDIUM's high speed blockchain platform will bring innovation to various decentralized service sectors.

<p><b>H/W Oriented Improvement with MBPU Enhancement</b></p> <p>The platform's resources are available in the same way provided in a typical project. Service providers or developers who wish to utilize the resources of the MEDIUM public network can develop services in accordance with the proposed interlocking specifications and SDKs.</p>	<p><b>Consortium Blockchain</b></p> <p>Enables the same level of infrastructure as MEDIUM blockchain infrastructure as cloud sourcing Enables non-dependent design of MEDIUM platforms such as governance and control policies.</p>
<p><b>MEDIUM Appliance® use exclusively</b></p> <p>MEDIUM is introduced by Institutions or company to Build Independent Decentralized Network Systems MEDIUM H/W equipment is located inside the agency's private network and operates a separate platform. Enable dense technical support based on customer needs</p>	<p><b>Co-location Service</b></p> <p>If organization already has a private blockchain or decentralized service, it can use MEDIUM public blockchain model. When an organization wants to use the resources of the MEDIUM public blockchain model, and the organization can interoperate its system with the MEDIUM public network using a proxy system.</p>

Usage fees has to be paid in proportion of use of all types of service running on the MEDIUM platform, and every purchase occurring in the platform can be paid by MDM token. In MEDIUM platform, thenetwork resource usage fee will always be calculated in TPS unit, and it will follow the information tailored to the global average transaction information of MDM token at the moment of settlement. In order to prepare for the volatility of MDM token's price, we will use the key currency of global fiat market, dollar(USD), as the standard for the network usage fee.

### MDM Coin

The MEDIUM blockchain platform will provide several forms of response to various types of infrastructure environments. When ICT service providers want to implement services using their decentralized network resources, MEDIUM will ensure a high-speed performance and lowest-cost environment. On the basis of the cryptocurrency system, MEDIUM's high speed blockchain platform will bring innovation to various decentralized service sectors.



■ HQ Reserved ■ Team ■ Marketing Cost ■ Coin Sales

Total Generating Coin  
1,000,000,000 MDM

MDM Coin Distribution  
Coin Sales 50% | HQ Reserved 30% | Marketing Cost 10% | Team 10%

### LISTING INFO



MDM/KRW



MDM/USDT



MDM/BTC

# ROADMAP

