

The Igneum whitepaper

How the chain works, in one document.

100,000,000

THE DECLINING PHASE'S TARGET

12 s

A BLOCK (THE RESEARCH CHAIN'S HOUR OF RECORD 12.3 S; THE PUBLIC TEST NETWORK MOVES TO 12-SECOND BLOCKS TONIGHT WITH 0.10.40)

99

PERCENT OF A REWARD TO ITS MINERS

0

PREMINE

2 sections open

Open all

Collapse

01 Earn, spend, bond



IGN is earned by GPU work, spent on transactions and EVM applications, and locked by keys selected to sign blocks. On the development chain today, it moves through the wallet and Pay; no mainnet coin or market exists yet.

- GPUs earn IGN.
- Users spend IGN for gas and payments.
- Applications use IGN as the native asset.
- Signing keys bond IGN for admission to the draw.
- Base fees remove IGN; the fund finances disclosed public work.

What IGN is for, today

Mining

A supported GPU submits shares to the public pool (its fee 1 percent of what you mine, shown on the page) or to a node of your own with no pool and no bond, and is paid its pro-rata share of the block to the wei.

Holding

Holding is voluntary and buys the two rights below.

Paying

Every transaction pays gas in IGN under the chain's own fee rule (the base fee burnt, the tip to the sealer or the list).

Bonding

A bonded key is drawn by lot over 65,536 units to seal a block with its own card and one proof.

Funding the network

One percent of every block goes to a maintenance fund that is the network's, not the company's, under a published mandate (maintenance, security review, infrastructure, grants, open-source protocol and client development), kept in a three-signer contract that grows to seven by published additions, with no owner and no upgrade path, deployed on the development chain.

02 The four numbers, the record of 13 October 2026

The project set itself four numbers before the measurements.

On the record of 13 October 2026 three of the four stand, two measured and one a model; on the registered programme the energy line is met at 7.9 and 7.2 microjoules a hash, and the chip question is answered by the chain's pay, not by one

lane: a chip built for one lane earns 1.2x to 1.4x a card at the weights of record (0.2 programme, 0.4 bandwidth, 0.4 raster, on the research chain from block 6523), the stacked chip 1.6x disclosed, and 1.3x to 1.4x at thirds, the history; the sealer's quarter is folded into the pot from block 6666 on the research chain (15 October 2026, 22:38 UK), a sealer paid only on its own standing; the public test network takes it by its own registry entry when that lands. The goal of record: a simple, efficient GPU workload whose complete specialist implementation saves too little to justify building and buying it. The full record of each is on its deep page.

The specialist edge

A specialist chip's edge on the registered relation is under measurement on version 14.1; the figure is published when it reads; the 11 October band (2.59x central) and the 12 October band were superseded by the 13 October reading. [The concession.](#)

UNDER MEASUREMENT

12 October 2026: the forced operation count and the per-instruction calibration conceded on the record's own figures; the 12 October band was superseded by the 13 October reading and no served figure stands until version 14.1 reads; the fix a devnet11 relation form in sizing; the placed round pipeline the measurement that narrows the band; a model until an external placed design

Three vendors

AMD's card of record, the RX 9070 XT, ran at 1.14x the 5090's energy per hash on the cohort record of 11 October 2026 (board telemetry, measured), the three vendors inside a 1.2x spread; no newer AMD energy row exists. [The relation.](#)

MEASURED, TELEMETRY

Gate 12, 11 October 2026: AMD family qualification at telemetry grade on the RX 9070 XT; its wall row the confirmation, in the cohort below

A long clock

A specialist's clock from decision to volume, estimated, the adjudication of record of 12 October 2026: a new entrant with a GDDR6 board 20 months (14 to 30); an incumbent mining-ASIC vendor 13 (9 to 19); a stacked-DRAM incumbent respinning its compute die 15 (11 to 22); an FPGA bitstream 3 (2 to 5). Against the registered exposure of 13 to 14 months the incumbent's central sits at the line; this 9-to-22-month band with a central of 13 to 15 replaces the 24-to-36-month sentence and the 26.64 and 30.32 months of the 11 October model. [The standard.](#)

MODEL

Gate 5, 11 October 2026: the earliest modelled time to one-third network share is 30.32 months, about seventeen months beyond the complete launch-entry exposure; the specialist figures are a model until an external placed design

Work authority

Hashing earns the reward; a bonded key signs the block. Outsourcing, buying the draw and pool control all closed on the record.

[Work authority.](#)

MEASURED

The record of 11 October 2026, 23:28 UK: the three rows closed; the registered clock, fork, liveness and adversarial rows follow

03 Abstract

IgneumHash is implemented and exact on tested NVIDIA, AMD, Intel and Apple hardware; consensus and GPU-worker succession round trips pass on the tested pairs.

04 Where it stands

05 The problem

Graphics-card mining lost its largest home when Ethereum left proof of work in 2022.

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- 06 Igneum at a glance** 
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- 07 Mining: the item is the programme** 
A miner holds a dataset (2 GiB at the gate cells, the launch default)
and walks it: each step fetches an item that depends on the one before.
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- 08 The chip question** 
Igneum does not claim to keep specialist hardware out.
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- 09 Work authority: hashing earns; the selected key signs** 
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- 10 Succession: a process fixed in advance** 
The chain has no fully implemented autonomous successors at launch.
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- 11 The chain of record** 
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- 12 Economics** 
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- 13 For miners** 
One command on Linux and HiveOS, an installer on Windows, a package on Apple silicon.
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- 14 The wallet** 
Three processes, one window.
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- 15 Governance** 
-
- 16 The road to launch** 
-
- 17 What you can verify** 
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- 18 What Igneum does not claim** 
No price, no profit, no yield, no ranking above anyone.



Mine with Ember



The network, live

