

# Project PAI

## Hybrid Consensus Comparison to Decred (DCR)

### Summary

The Project PAI Blockchain recently forked to a new PoW/PoS Hybrid that was greatly inspired by the work of the Decred team. This document attempts to lay out the similarities and differences between the two implementations.

### Coinbase

	PAI	Decred
Total Coin Supply	2.1B PAI	21M DCR
Divisible	Yes (9 decimal places)	Yes (9 decimal places)
Circulating Supply	1.496B PAI	12.454M DCR

### Consensus

	PAI	Decred
Block Maturity	100 Confirmations	256 confirmations
Block Find Target	10 Minutes	5 Minutes
Stake Voucher Maturity	256 blocks	256 blocks
Stake Voucher Pool Target	40,960 vouchers	40,960 vouchers
Stake Voucher Expiry	40,960 blocks	40,960 blocks
Max Fresh Vouchers per Block	20	20

## Mining

	PAI	Decred
Public Mining	Yes	Yes
PoW Hashing Algorithm	SHA-3/SHAKE-256	BLAKE-256
ASIC Availability	Not Available	Available
PoW Block Subsidy	40%	60%
PoS Block Subsidy	60%	30%
Project Subsidy	0%	10% -- Decred Treasury

## Port Details

	PAI (Mainnet)	PAI (Testnet)	Decred (Mainnet)	Decred (Testnet)
Daemon P2P Port	8567	18567	9108	19108
Daemon RPC Port	8566	18566	9109	19109
Wallet RPC Port	8566 (Part of paicoind)	18566 (Part of paicoind)	9110 (Separate/dcr wallet)	19110 (Separate/dcrwallet)

## Conclusion

We hope that this comparison between Decred and PAI will help you better understand Project PAI's innovative technology.