

A CPU miner with multi algo support and optimized for CPUs
with AVX512, SHA and VAES extensions by JayDDee.

Usage: cpuminer [OPTIONS]

Options:

-a, --algo=ALGO specify the algorithm to use

allium Garlicoin (GRLC)
anime Animecoin (ANI)
argon2 Argon2 Coin (AR2)
argon2d250
argon2d500 argon2d-dyn, Dynamic (DYN)
argon2d4096 argon2d-uis, Unitus (UIS)
axiom Shabal-256 MemoHash
blake blake256r14 (SFR)
blake2b Blake2b 256
blake2s Blake-2 S
blakecoin blake256r8
bmw BMW 256
bmw512 BMW 512
c11 Chaincoin
decred Blake256r14dcr
deep Deepcoin (DCN)
dmd-gr Diamond
groestl Groestl coin
hex x16r-hex
hmq1725 Espers
hodl Hodlcoin
jha jackppot (Jackpotcoin)
keccak Maxcoin
keccakc Creative Coin
lbry LBC, LBRY Credits
lyra2h Hppcoin
lyra2re lyra2
lyra2rev2 lyrav2
lyra2rev3 lyrav2v3
lyra2z
lyra2z330 Lyra2 330 rows
m7m Magi (XMG)
myr-gr Myriad-Groestl
minotaur Ringcoin (RNG)
neoscrypt NeoScript(128, 2, 1)
nist5 Nist5
pentablake 5 x blake512
phi1612 phi
phi2
polytimos
power2b MicroBitcoin (MBC)
quark Quark
qubit Qubit
scrypt scrypt(1024, 1, 1) (default)
scrypt:N scrypt(N, 1, 1)
scryptn2 scrypt(1048576, 1,1)
sha256d Double SHA-256
sha256q Quad SHA-256, Pyrite (PYE)

sha256t Triple SHA-256, Onecoin (OC)
sha3d Double Keccak256 (BSHA3)
shavite3 Shavite3
skein Skein+Sha (Skeincoin)
skein2 Double Skein (Woodcoin)
skunk Signatum (SIGT)
sonoa Sono
timetravel timeravel8, Machinecoin (MAC)
timetravel10 Bitcore (BTX)
tribus Denarius (DNR)
vanilla blake256r8vnl (VCash)
veltor
verthash
whirlpool
whirlpoolx
x11 Dash
x11evo Revolvercoin (XRE)
x11gost sib (SibCoin)
x12 Galaxie Cash (GCH)
x13 X13
x13bcd bcd
x13sm3 hsr (Hshare)
x14 X14
x15 X15
x16r
x16rv2
x16rt Gincoin (GIN)
x16rt-veil Veil (VEIL)
x16s
x17
x21s
x22i
x25x
xevan BitSend (BSD)
yescrypt Globalboost-Y (BSTY)
yescryptr8 BitZeny (ZNY)
yescryptr8g Koto (KOTO)
yescryptr16 Eli
yescryptr32 WAVI
yespower Cryply
yespowerr16 Yenten (YTN)
yespower-b2b generic yespower + blake2b zr5 Ziftr

-N, --param-n=N N parameter for script based algos
-R, --param-r=N R parameter for script based algos
-K, --param-key=STRING Key (pers) parameter for algos that use it
-o, --url=URL URL of mining server
-O, --userpass=U:P username:password pair for mining server
-u, --user=USERNAME username for mining server
-p, --pass=PASSWORD password for mining server
--cert=FILE *certificate for mining server using SSL*

-x, --proxy=[PROTOCOL://]HOST[:PORT] connect through a proxy
-t, --threads=N number of miner threads (default: number of processors)
-r, --retries=N number of times to retry if a network call fails
(default: retry indefinitely) --
retry-pause=N time to pause between retries, in seconds (default: 30)
--time-limit=N *maximum time [s] to mine before exiting the program.*

-T, --timeout=N timeout for long poll and stratum (default: 300 seconds)
-s, --scantime=N upper bound on time spent scanning current work when
long polling is unavailable, in seconds (default: 5)
--randomize *randomize scan range (deprecated)*

-f, --diff-factor=N divide req. difficulty by this factor (std is 1.0)
-m, --diff-multiplier=N Multiply difficulty by this factor (std is 1.0)
--hash-meter *display thread hash rates*
--coinbase-addr=ADDR *payout address for solo mining*
--coinbase-sig=TEXT *data to insert in the coinbase when possible*
--no-longpoll *disable long polling support*
--no-getwork *disable getwork support*
--no-gbt *disable getblocktemplate support*
--no-stratum *disable X-Stratum support*
--no-extranonce *disable Stratum extranonce subscribe*
--no-redirect *ignore requests to change the URL of the mining server*

-q, --quiet reduce log verbosity
--no-color *disable colored output*

-D, --debug enable debug output
-P, --protocol-dump verbose dump of protocol-level activities
-B, --background run the miner in the background
--benchmark *run in offline benchmark mode*
--cpu-affinity *set process affinity to cpu core(s), mask 0x3 for cores 0 and 1*
--cpu-priority *set process priority (default: 0 idle, 2 normal to 5 highest) (deprecated)*

-b, --api-bind=address[:port] IP address for the miner API, default port is 4048)
--api-remote *allow remote control*
--max-temp=N *only mine if cpu temp is less than specified value (linux)*
--max-rate=N[KMG] *only mine if net hashrate is less than specified value*
--max-diff=N *only mine if net difficulty is less than specified value*

-c, --config=FILE load a JSON-format configuration file
--data-file=FILE *path and name of data file*
--verify *enable additional time consuming start up tests*
--stratum-keepalive *prevent disconnects when difficulty is too high*

-V, --version display version and CPU information and exit
-h, --help display this help text and exit