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						i	nformatio	n						
Info	BFG	BitMinter	BTCMiner	cgminer	Diablo	EasyMiner	gMinor	GroupFabric	МРВМ	OSFPGABM	Phoenix	poclbm	Ufasoft	ScalaMin
language	С	Scala	Java	С	Java		Python	C++	Python	Tcl	Twisted	Python	C++	Scala
license	GPL-3	All rights	GPL-3	GPL-3	GPL-3		PD	Windows	GPL-	GPL-3	MIT	PD	GPL-3	GPL-3
		reserved						Store	2+					
website	link₽	link 🗗	link 🗗	link₽	link⊌	link₽		link & P	link⊌	link₽	link®	link₽	link₽	linke₽
forum	link⊌	link⊌	link 🗗	link₽	link⊌	link 🗗		link 🗗	link⊌	link₽	link₽	link₽	link₽	
related pool	Eligius	BitMinter		Ckpool										
						oper	ating sys	tems						
os	BFG	BitMinter	BTCMiner	cgminer	Diablo	EasyMiner	gMinor	GroupFabric	MPBM	OSFPGABM	Phoenix	poclbm	Ufasoft	ScalaMin
Arch	pkg			src,ARM bin				No						Java
Debian	pkg	Java	jar	pkg	jar	No	ру	No	ру	?	ру	ру	src	Java
Fedora	pkg	Java	jar	bin	jar	No	ру	No	ру	?	ру	ру	src	Java
Gentoo	pkg	Java	jar	pkg	jar	No	ру	No	ру	?	ру	ру	src	Java
Mac OS X	hmbrw	Java	-	src	-	No		No		?			src	Java
		Java	jar		jar		ру		ру	· ·	ру	ру	SIC	Java
OpenWrt	pkg			bin		No		No						
Raspbian	pkg	Java	jar	bin	No	No	ру	No	ру		ру	ру		Java
Ubuntu	pkg	Java	jar	pkg	jar	No	ру	No	ру	?	py	py	src	Java
Windows (32-bit)	zip	Java	jar	zip	jar	Yes	Yes	Yes			Yes	Yes	Yes	Java
Windows (64- bit) ^[1]	zip	Java	jar	W32 ^[1]	jar			Yes						Java
Windows RT	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No
						mining	devices	(virtual)						
Virtual device	BFG	BitMinter	BTCMiner	cgminer	Diablo	EasyMiner	gMinor	GroupFabric	MPBM	OSFPGABM	Phoenix	poclbm	Ufasoft	ScalaMir
getwork server	3.2.0	No	No	No	No	No	No	No	No	No	No	No		Yes
stratum server	3.3.0	No	No	No	No	No	No	No	No	No	No	No		No
						minin	g devices	(asic)						
Device	BFG	BitMinter	BTCMiner	cgminer	Diablo	EasyMiner	gMinor	GroupFabric	MPBM	OSFPGABM	Phoenix	poclbm	Ufasoft	ScalaMir
AntMiner S1	5.4.0	No	No	4.1.0	No	No	No	No	No	No	No	No	No	No
AntMiner S2														
	5.4.0	No	No	4.3.5	No	No	No	No	No	No	No	No	No	No
AntMiner S3/S3+	5.4.0	No	No	Yes	No	No	No	No	No	No	No	No		No
AntMiner S4	5.4.0	No	No	Yes	No	No	No	No	No	No	No	No		No
AntMiner S5	5.4.0	No	No	Patch	No	No	No	No	No	No	No	No		No
AntMiner S5+		No	No	Patch	No	No	No	No	No	No	No	No		No
AntMiner S7		No	No	Patch	No	No	No	No	No	No	No	No		No
AntMiner U1/U2	3.10.0	Yes	No	3.12.0	No	No	No	No	No	No	No	No	No	0.2
AntMiner U3	5.2.0		No	Yes	No	No	No	No	No	No	No	No	No	0.2
Avalon	3.0.0	No	No	2.10.4	No	No	No	No	No	No	No	No	No	No
Avalon Gen2/Gen3	3.6.0	No	No	Yes	No	No	No	No	No	No	No	No	No	No
Avalon Nano	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No
													140	
BFx2 Bitfury USB	4.0.0	No	No	4.1.0	No	No	No	No	No	No	No	No		No
Bi*Fury	3.7.0		No	3.8.2	No	No	No	No			No	No		No
BitBurner	No	No	No	3.3.2	No	No	No	No	No	No	No	No	No	No
DitEares CC F													No	Yes
	3.0.0	Yes	No	3.1.0	No		No	No		No	No	No	140	
Gh/s BitForce SC 25	3.0.0	Yes Yes	No No	3.1.0	No No		No No	No No		No No	No No	No No	No	Yes
Gh/s BitForce SC 25 Gh/s BitForce SC 50														Yes Yes
Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s	3.1.1	Yes Yes	No No	3.3.1	No No	No	No No	No No		No	No No	No No	No	Yes
BitForce SC 5 Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s BitForce SC 50 Gh/s BitFury GPIO	3.1.1 3.1.0 3.3.0	Yes Yes No	No No No	3.3.1 3.3.1 3.8.0	No No No	No	No No No	No No No		No	No No No	No No No	No	Yes
Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s BitFury GPIO Bitfury S.B.	3.1.1 3.1.0 3.3.0 3.3.0	Yes Yes No	No No No	3.3.1 3.3.1 3.8.0 3.11.0	No No No	No	No No No	No No No		No No	No No No No	No No No	No No	Yes No No
Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s BitFury GPIO Bitfury S.B. BitMine A1	3.1.1 3.1.0 3.3.0	Yes Yes No	No No No	3.3.1 3.3.1 3.8.0	No No No		No No No	No No No	No	No	No No No	No No No	No	Yes
Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s BitFury GPIO Bitfury S.B. BitMine A1 BlackArrow	3.1.1 3.1.0 3.3.0 3.3.0	Yes Yes No	No No No	3.3.1 3.3.1 3.8.0 3.11.0	No No No	No	No No No	No No No	No No	No No	No No No No	No No No	No No	Yes No No
Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s BitFury GPIO Bitfury S.B. BitMine A1 BlackArrow Prospero X1 BlackArrow	3.1.1 3.1.0 3.3.0 3.3.0 No	Yes Yes No No	No No No No	3.3.1 3.3.1 3.8.0 3.11.0 4.0.0	No No No No	No No	No No No No	No No No No No		No No	No No No No	No No No No	No No	Yes No No
Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s BitFury GPIO Bitfury S.B. BitMine A1 BlackArrow Prospero X1 BlackArrow Prospero X3 Block Erupter	3.1.1 3.1.0 3.3.0 3.3.0 No	Yes Yes No No No	No No No No No	3.3.1 3.3.1 3.8.0 3.11.0 4.0.0 Yes	No No No No No	No No No	No No No No No	No No No No No	No	No No No	No No No No No	No No No No No	No No No	Yes No No No
Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s BitFury GPIO Bitfury S.B. BitMine A1 BlackArrow Prospero X1 BlackArrow Prospero X3 Block Erupter Blade Block Erupter	3.1.1 3.1.0 3.3.0 3.3.0 No 5.0.0	Yes Yes No No No No	No No No No No	3.3.1 3.3.1 3.8.0 3.11.0 4.0.0 Yes	No No No No No	No No No	No No No No No	No No No No No	No No	No No No No	No No No No No No	No No No No No	No No No No	Yes No No No No
Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s BitFury GPIO Bitfury S.B. BitMine A1 BlackArrow Prospero X1 BlackArrow Prospero X3 Block Erupter Blade Block Erupter USB	3.1.1 3.1.0 3.3.0 3.3.0 No 5.0.0	Yes Yes No No No No No Yes	No	3.3.1 3.8.0 3.11.0 4.0.0 Yes No 2.6.4	No	No No No No	No	No	No No No	No No No No No No No No	No	No	No No No No No No No No	Yes No No No No No No O No O No No O No O
Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s BitFury GPIO Bitfury S.B. BitMine A1 BlackArrow Prospero X1 BlackArrow Prospero X3 Block Erupter Blade Block Erupter USB CoinTerra	3.1.1 3.1.0 3.3.0 3.3.0 No 5.0.0 3.2.0 2.6.4 3.8.0	Yes Yes No	No N	3.3.1 3.8.0 3.11.0 4.0.0 Yes No 2.6.4 3.12.1	No N	No No No No No	No N	No N	No No No No	No No No No No No No No No	No N	No N	No	Yes No
Gh/s BitForce SC 25 Gh/s BitForce SC 50 Gh/s BitFury GPIO Bitfury S.B. BitMine A1 BlackArrow Prospero X1 BlackArrow Prospero X3 Block Erupter Blade Block Erupter	3.1.1 3.1.0 3.3.0 3.3.0 No 5.0.0	Yes Yes No No No No No Yes	No	3.3.1 3.8.0 3.11.0 4.0.0 Yes No 2.6.4	No	No No No No	No	No	No No No	No No No No No No No No	No	No	No No No No No No No No	Yes No No No No No No O No O No No O No O

HashBuster Alpha	4.0.0	No	No	Patch	No	No	No	No			No	No		No
HashBuster Micro	3.8.0	No	No	No	No	No	No	No			No	No		No
HashBuster														
Nano	3.5.0	No	No	No	No	No	No	No			No	No		No
HashFast	3.10.0	No	No	3.5.0	No	No	No	No			No	No		No
Hex•Fury	4.0.0	No	No	4.2.3	No	No	No	No			No	No		No
JingTian	4.4.0	No	No	Patch	No	No	No	No			No	No		No
Klondike	3.6.0	No	No	3.6.0	No	No	No	No						No
KnCMiner 28nm	3.4.0	No	No	3.7.0	No	No	No	No	No	No	No	No		No
KnCMiner Neptune	5.0.0	No	No	Patch	No	No	No	No	No	No	No	No		No
LittleFury Metabank	3.5.0	No	No	No	No	No	No	No			No	No		No
BitFury Monarch PCI-	3.3.0	No	No	No	No	No	No	No			No	No		No
e/Linux	4.3.0	No	No	No	No	No	No	No			No	No		No
Monarch PCI- e/Win	4.5.0	No	No	No	No	No	No	No			No	No		No
Monarch USB	4.3.0	No	No	Yes	No	No	No	No			No	No		No
NanoFury / IceFury	3.4.0		No	3.10.0	No	No	No	No			No	No		No
NanoFury NF2	4.0.0		No	4.3.1	No	No	No	No			No	No		No
NanoFury NF6	4.0.0		No	4.3.1	No	No	No	No			No	No		No
OneStringMiner	4.0.0	No	No	3.8.2	No	No	No	No	No	No	No	No	No	No
Red/BlueFury	3.3.0	Yes	No	3.5.0	No	No	No	No			No	No		No
Rockminer R- Box	4.2.0	No	No	4.3.5	No	No	No	No			No	No		No
Spondoolies SP10	4.7.0	No	No	4.2.3	No	No	No	No	No	No	No	No	No	No
Spondoolies SP30	4.10.0	No	No	Yes	No	No	No	No	No	No	No	No	No	No
T1/Tube	3.3.0	No	No	Yes	No	No	No	No	No	No	No	No	No	No
Twinfury	3.7.0		No	No	No	No	No	No			No	No		No
								(5)						
						mining	g devices	(трда)						
Device	BFG	BitMinter	BTCMiner	cgminer	Diablo	mining EasyMiner	g devices gMinor	(rpga) GroupFabric	MPBM	OSFPGABM	Phoenix	poclbm	Ufasoft	ScalaMin
Avnet LX150T	BFG No	BitMinter No	BTCMiner	cgminer No	Diablo No				MPBM No	OSFPGABM Yes	Phoenix No	poclbm No	Ufasoft No	ScalaMin No
Avnet LX150T Devkit						EasyMiner	gMinor	GroupFabric						
Avnet LX150T Devkit BitForce Single	No	No	No	No	No	EasyMiner No	gMinor No	GroupFabric No	No		No	No	No	No
Avnet LX150T Devkit BitForce Single BFL MiniRig	No 2.2.0	No 1.2.0	No No	No 2.2.0	No No	EasyMiner No Yes	gMinor No	GroupFabric No No	No Yes		No No	No git	No	No No
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2	No 2.2.0 2.4.3	No 1.2.0 1.2.0	No No No	No 2.2.0 2.5.0	No No No	EasyMiner No Yes Yes	gMinor No No No	GroupFabric No No No	No Yes Yes		No No No	No git No	No Yes	No No No
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2	No 2.2.0 2.4.3 2.6.4	No 1.2.0 1.2.0 No	No No No	No 2.2.0 2.5.0 2.6.4	No No No	No Yes Yes No	Mo No No No	GroupFabric No No No No	No Yes Yes		No No No	No git No No	No Yes No	No No No
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K	No 2.2.0 2.4.3 2.6.4 No	No 1.2.0 1.2.0 No No	No No No No	No 2.2.0 2.5.0 2.6.4 No	No No No No	No Yes Yes No No	gMinor No No No No No No	No No No No No	No Yes Yes Yes		No No No No	No git No No	No Yes No No	No No No No
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digillent Nexys 2 500K Icarus Lancelot	No 2.2.0 2.4.3 2.6.4 No 2.2.7	No 1.2.0 1.2.0 No No 1.3.0	No No No No No	No 2.2.0 2.5.0 2.6.4 No 2.2.7	No No No No No	No Yes Yes No No No No	gMinor No No No No No No No No	GroupFabric No No No No No No No No	No Yes Yes Yes Yes		No No No No No	No git No No No	No Yes No No	No No No No No
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No	No 1.2.0 1.2.0 No No 1.3.0	No No No No No	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3	No No No No No	EasyMiner No Yes Yes No No No No	gMinor No No No No No No No No No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes Yes		No No No No No No No No	No git No No No	No Yes No No No No	No No No No No
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No	No 1.2.0 1.2.0 No No 1.3.0 No No No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	No Yes Yes Yes Yes Yes No	Yes	No N	No git No	No Yes No	No
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0	No 1.2.0 1.2.0 No No No No No No No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes Yes	Yes	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No	No 1.2.0 1.2.0 No No No No No No No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes Yes Yes	Yes	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15x	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4	No 1.2.0 1.2.0 No	No Yes Yes	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No 3.5.0	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	No Yes Yes Yes Yes Yes No	Yes	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No	No 1.2.0 1.2.0 No No No No No No No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No	No N	EasyMiner No Yes Yes No	gMinor No No No No No No No No No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes Yes Yes	Yes	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15y	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1	No 1.2.0 1.2.0 No	No Yes Yes Yes	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No 3.5.0 3.5.0	No N	EasyMiner No Yes Yes No No No No No No No No No N	gMinor No No No No No No No No No	GroupFabric No No No No No No No No No N	Yes	Yes	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X65000 ZTEX 1.15b ZTEX 1.15x ZTEX 1.15y Device OpenCL (Mesa	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4	No 1.2.0 1.2.0 No	No Yes Yes	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No 3.5.0	No N	EasyMiner No Yes Yes No No No No No No No No No N	gMinor No No No No No No No No No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes Yes Yes	Yes	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X76500 ZTEX 1.15b ZTEX 1.15y Device OpenCL (Mesa AMD) OpenCL (Mesa	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1	No 1.2.0 1.2.0 No	No Yes Yes Yes	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No So No So	No N	EasyMiner No Yes Yes No	gMinor No No No No No No No No No	GroupFabric No	Yes Yes Yes Yes Yes Yes Yes Mo Yes	Yes	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15x ZTEX 1.15y Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (AMD	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No	No N	EasyMiner No Yes Yes No	gMinor No No No No No No No No No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes Yes Yes No Yes MPBM No No	Yes Yes OSFPGABM No No	No Phoenix	No git No pocibm	No Yes No Ufasoft	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15y Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (AMD APP)	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No No No No 3.5.0 3.5.0 cgminer	No N	EasyMiner No Yes Yes No	gMinor No No No No No No No No No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes Yes Mo Yes MPBM No	Yes Yes OSFPGABM No	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15y Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (AMD APP) OpenCL (nvidia)	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No 3.5.0 3.5.0 Cgminer No No 3.7.2	No N	EasyMiner No Yes Yes No	gMinor No No No No No No No No No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes Yes No Yes No No No	Yes Yes OSFPGABM No No	No Phoenix	No git No pocibm	No Yes No Ufasoft	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15x ZTEX 1.15y Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (AMD APP) OpenCL (nvidia) CUDA (nvidia)	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1	No 1.2.0 1.2.0 No Yo Yes Yes	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No 3.5.0 3.5.0 Cgminer No No 3.7.2	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes No Yes No No No No	Yes Yes OSFPGABM No No No	No Phoenix	No git No	No Yes No Yes Ufasoft	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15x ZTEX 1.15y Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (AMD APP) OpenCL (nvidia) CUDA (nvidia)	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No 3.5.0 3.5.0 cgminer No No 3.7.2 No	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes No Yes No No No No No	Yes Yes OSFPGABM No No No No	No N	No git No	No Yes No Yes Ves	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15y Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (AMD APP) OpenCL (nvidia) CUDA (nvidia)	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No 3.5.0 3.5.0 cgminer No No 3.7.2 No	No N	EasyMiner No Yes Yes No	gMinor No No No No No No No No No	GroupFabric No No No No No No No No No N	Yes Yes Yes Yes Yes Yes No Yes No No No No No	Yes Yes OSFPGABM No No No No	No N	No git No	No Yes No Yes Ves	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15x ZTEX 1.15y Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (MMD APP) OpenCL (nvidia) CUDA (nvidia) DirectCompute	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No 3.5.0 3.5.0 cgminer No	No N	EasyMiner No Yes Yes No	gMinor No No No No No No No No No	GroupFabric No No No No No No No No No N	No Yes Yes Yes Yes Yes Yes No Yes No No No No No No No	Yes Yes OSFPGABM No No No No No No No	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15x ZTEX 1.15y Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (AMD APP) OpenCL (nvidia) CUDA (nvidia) DirectCompute Device Intel SHA256	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1 Yes No No	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No 3.5.0 3.5.0 cgminer No No cgminer	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	No Yes Yes Yes Yes Yes Yes No Yes No	Yes Yes OSFPGABM No No No No No OSFPGABM	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15b Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (AMD APP) OpenCL (nvidia) CUDA (nvidia) DirectCompute Device Intel SHA256 SSE4 (x86_64)	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1 Yes No No	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No 3.5.0 3.5.0 cgminer No No cgminer No	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	No Yes Yes Yes Yes Yes Yes No Yes No	Yes Yes OSFPGABM No No No No No No No No No N	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15b Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (AMD APP) OpenCL (nvidia) CUDA (nvidia) DirectCompute Device Intel SHA256 SSE4 (x86_64) SSE2 (x86_64) SSE2 (x86_64)	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1 Yes No No Yes Yes Yes Yes Yes	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No 3.5.0 3.5.0 Cgminer No No Cgminer No Cgminer No 2.x 2.x 2.x	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	No Yes Yes Yes Yes Yes Yes No Yes No	Yes Yes OSFPGABM No No No No No No No No No N	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15b Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (ModMine) CUDA (nvidia) DirectCompute Device Intel SHA256 SSE4 (x86_64) SSE2 (x86_64) Altivec (PPC)	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1 Yes Yes No No Yes Yes Yes Yes Yes	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No 3.5.0 3.5.0 Cgminer No No Cgminer No Cgminer No 2.x 2.x 2.x 2.x	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	No Yes Yes Yes Yes Yes Yes No Yes MPBM No	Yes Yes OSFPGABM No No No No No No No No No N	No N	No git No	No Yes No	No N
Avnet LX150T Devkit BitForce Single BFL MiniRig Cairnsmore1 Digilent Nexys 2 500K Icarus Lancelot ModMiner Terasic DE2-115 X5000 X6500 ZTEX 1.15b ZTEX 1.15x ZTEX 1.15y Device OpenCL (Mesa AMD) OpenCL (Mesa NV) OpenCL (AMD APP) OpenCL (nvidia) CUDA (nvidia) DirectCompute	No 2.2.0 2.4.3 2.6.4 No 2.2.7 2.6.4 2.4.3 No No 2.9.0 No 2.3.4 2.4.1 BFG 3.0.1 Yes No No Yes Yes Yes Yes Yes	No 1.2.0 1.2.0 No	No N	No 2.2.0 2.5.0 2.6.4 No 2.2.7 2.6.4 2.4.3 No No No No 3.5.0 3.5.0 Cgminer No No Cgminer No Cgminer No 2.x 2.x 2.x	No N	EasyMiner No Yes Yes No	gMinor No	GroupFabric No No No No No No No No No N	No Yes Yes Yes Yes Yes Yes No Yes No	Yes Yes OSFPGABM No No No No No No No No No N	No N	No git No	No Yes No	No N

High-level CPU	Yes	No	No	2.x		No	No	Yes	No	No		No		No
NEON (ARM)	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No
						mir	ner proto	cols						
Protocol	BFG	BitMinter	BTCMiner	cgminer	Diablo	EasyMiner	gMinor	GroupFabric	MPBM	OSFPGABM	Phoenix	poclbm	Ufasoft	ScalaMiner
getblocktemplate	2.8.0	No	No	2.10.5	No		No	No	No	No	No		Yes	No
Stratum	2.9.0	Yes	No	2.8.0	No	No	No	Yes	testing	No	No	Yes	Yes	Yes
getwork	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
BlkPrep	No	No	No	No	No	No	No	No	No	No	No	No	No	No
UBBP	No	No	No	No	No	No	No	No	No	No	No	No	No	No
						getw	ork exten	sions						
Extension	BFG	BitMinter	BTCMiner	cgminer	Diablo	EasyMiner	gMinor	GroupFabric	MPBM	OSFPGABM	Phoenix	poclbm	Ufasoft	ScalaMiner
hostlist	No	No	No	No	No	-	Yes	Yes	No	No	No	Yes	Yes	No
longpoll	Yes	Yes	Yes	No	Yes		Yes	Yes	0.1	Yes ^[2]	No ^[3]	Yes ^[2]	Yes	No
midstate	Yes	Yes	Yes	No	No		Yes ^[2]	Yes	0.1	No	Yes ^[2]	Yes	Yes	Yes
noncerange	No	No	No	No	No			Yes	No	No	No	No	Yes	Yes
reject-reason	Yes	Yes	Yes	No	Yes		No	Yes	0.0	No	Yes	Patch	Yes	No
rollntime	Yes	Yes	No	No	Yes		Yes	Yes	0.0	No	No	Yes	No ^[3]	Yes
expire=N	Yes	Yes	No	No	Yes		Yes	Yes	0.1	No	No	No	No	No
submitold		Yes ^{[2][4]}						Yes ^{[2][4]}	0.0[2][4]					
	Yes		Yes	No	No		No			No	No	No	No	No
switchto	No	No	No	No	Yes	4.1	Yes	Yes	No	No	No	No	Yes	No
F	P.C.	Distant	DTC					ep functionalit	-	00500151	Discontinuity		115	01-50
Function	BFG	BitMinter	BTCMiner	cgminer	Diablo	EasyMiner	gMinor	GroupFabric	MPBM	OSFPGABM	Phoenix	poclbm	Ufasoft	ScalaMiner
longpoll	Yes	n/a	n/a	Yes	n/a		n/a	n/a	n/a	n/a	n/a		Yes	n/a
noncerange	No	n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a		No	n/a
proposal	No	n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a		No	n/a
serverlist	No	n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a		No	n/a
		1					late/BlkP	Prep variations					1	1
Variation	BFG	BitMinter	BTCMiner	cgminer	Diablo	EasyMiner	gMinor	GroupFabric	MPBM	OSFPGABM	Phoenix	poclbm	Ufasoft	ScalaMiner
(fixed coinbase)	2.9.0	n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a			n/a
coinbase/append	2.9.0	n/a	n/a	2.8.7	n/a		n/a	n/a	n/a	n/a	n/a		Required	n/a
coinbase (set)	2.10.4 ^[5]	n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a			n/a
generation	2.9.0	n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a			n/a
(full submit)	2.9.0	n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a			n/a
share/coinbase	2.9.0	n/a	n/a	2.8.7	n/a		n/a	n/a	n/a	n/a	n/a			n/a
share/merkle	No	n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a			n/a
share/truncate	2.9.0	n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a			n/a
time/increment	2.9.0	n/a	n/a		n/a		n/a	n/a	n/a	n/a	n/a			n/a
time/decrement	2.9.0	n/a	n/a		n/a		n/a	n/a	n/a	n/a	n/a			n/a
txns/add	No	,												
txns/remove		n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a		No	n/a
prevblock	No	n/a n/a	n/a n/a	No No	n/a n/a		n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a		No No	n/a n/a
	No No				_				_					
solo to bitcoind		n/a	n/a	No	n/a		n/a	n/a	n/a	n/a	n/a		No	n/a
solo to bitcoind	No	n/a n/a	n/a n/a	No No	n/a n/a n/a	Stratum fund	n/a n/a n/a	n/a n/a n/a	n/a n/a	n/a n/a	n/a n/a		No	n/a n/a
solo to bitcoind	No	n/a n/a	n/a n/a n/a	No No	n/a n/a n/a		n/a n/a n/a ctionality	n/a n/a n/a	n/a n/a	n/a n/a	n/a n/a	poclbm	No	n/a n/a
	No Yes	n/a n/a n/a	n/a n/a n/a	No No Yes	n/a n/a n/a		n/a n/a n/a ctionality	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	pocibm No	No No	n/a n/a n/a
Function	No Yes BFG	n/a n/a n/a BitMinter	n/a n/a n/a BTCMiner	No No Yes	n/a n/a n/a Diablo	EasyMiner	n/a n/a n/a ctionality gMinor	n/a n/a n/a GroupFabric	n/a n/a n/a	n/a n/a n/a OSFPGABM	n/a n/a n/a Phoenix		No No Ufasoft	n/a n/a n/a ScalaMiner
Function resume	No Yes BFG 3.0.0	n/a n/a n/a BitMinter No	n/a n/a n/a BTCMiner n/a	No No Yes cgminer 2.11.0	n/a n/a n/a Diablo n/a	EasyMiner n/a	n/a n/a n/a ctionality gMinor n/a	n/a n/a n/a n/a N/a GroupFabric No	n/a n/a n/a	n/a n/a n/a OSFPGABM n/a	n/a n/a n/a Phoenix n/a	No	No No Ufasoft	n/a n/a n/a ScalaMiner
Function resume reconnect	No Yes BFG 3.0.0 2.9.0	n/a n/a n/a N/a N/a SitMinter No Yes	n/a n/a n/a n/a n/a n/a n/a	No No Yes cgminer 2.11.0 2.8.2	n/a n/a n/a Diablo n/a n/a	EasyMiner n/a n/a	n/a n/a n/a ctionality gMinor n/a n/a	n/a n/a n/a GroupFabric No Yes	n/a n/a n/a MPBM	n/a n/a n/a OSFPGABM n/a n/a	n/a n/a n/a Phoenix n/a n/a	No Yes	No No Ufasoft No	n/a n/a n/a ScalaMiner No No
Function resume reconnect add peers	No Yes BFG 3.0.0 2.9.0 No	n/a n/a n/a n/a No Yes No	n/a n/a n/a n/a n/a n/a BTCMiner n/a n/a n/a	No No Yes cgminer 2.11.0 2.8.2 No	n/a n/a n/a Diablo n/a n/a n/a	EasyMiner n/a n/a n/a	n/a n/a n/a ctionality gMinor n/a n/a n/a	n/a n/a n/a GroupFabric No Yes No	n/a n/a n/a MPBM	n/a n/a n/a OSFPGABM n/a n/a n/a n/a	n/a n/a n/a Phoenix n/a n/a n/a	No Yes No	No No Ufasoft No No	n/a n/a n/a ScalaMiner No No
Function resume reconnect add peers set diff	No Yes BFG 3.0.0 2.9.0 No 2.9.0	n/a n/a n/a No Yes No Yes	n/a n/a n/a BTCMiner n/a n/a n/a n/a	No No Yes cgminer 2.11.0 2.8.2 No 2.8.0	n/a n/a n/a n/a Diablo n/a n/a n/a n/a n/a	EasyMiner n/a n/a n/a n/a n/a	n/a n/a n/a ctionality gMinor n/a n/a n/a n/a n/a	n/a n/a n/a n/a GroupFabric No Yes No Yes	n/a n/a n/a No testing	n/a n/a n/a OSFPGABM n/a n/a n/a n/a n/a	n/a n/a n/a Phoenix n/a n/a n/a n/a n/a	No Yes No 20121020	No No No Ufasoft No No No Yes	n/a n/a n/a ScalaMiner No No No
Function resume reconnect add peers set diff suggest target	No Yes BFG 3.0.0 2.9.0 No 2.9.0 3.2.0 ^[6]	n/a n/a n/a No Yes No Yes No	n/a n/a n/a BTCMiner n/a n/a n/a n/a n/a n/a	No No No Yes Cgminer 2.11.0 2.8.2 No 2.8.0	n/a	EasyMiner n/a n/a n/a n/a n/a n/a	n/a n/a n/a ctionality gMinor n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a n/a GroupFabric No Yes No Yes No	n/a n/a n/a No No testing No	n/a n/a n/a OSFPGABM n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a Phoenix n/a n/a n/a n/a n/a n/a n/a	No Yes No 20121020 No	No N	n/a n/a n/a ScalaMiner No No No No
Function resume reconnect add peers set diff suggest target suggest difficulty transparency	No Yes BFG 3.0.0 2.9.0 No 2.9.0 3.2.0 ^[6] 5.4.0 partial	n/a n/a n/a BitMinter No Yes No Yes No No No	n/a n/a n/a BTCMiner n/a n/a n/a n/a n/a n/a n/a n/a	No No No Yes Cgminer 2.11.0 2.8.2 No 2.8.0 No Yes[7] No	n/a n/a n/a n/a n/a Diablo n/a n/a n/a n/a n/a n/a n/a	EasyMiner n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a ctionality gMinor n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a No GroupFabric No Yes No No No No	n/a n/a n/a No No testing No	n/a n/a n/a OSFPGABM n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a n/a n/a Phoenix n/a n/a n/a n/a n/a n/a n/a n/a n/a	No Yes No 20121020 No No	No No No Ves No	n/a n/a n/a ScalaMiner No
Function resume reconnect add peers set diff suggest target suggest difficulty transparency get ver	No Yes BFG 3.0.0 2.9.0 No 2.9.0 3.2.0 ^[6] 5.4.0 partial 2.9.0	n/a n/a n/a BitMinter No Yes No Yes No No No Yes	n/a n/a n/a BTCMiner n/a	No No No Yes Cgminer 2.11.0 2.8.2 No 2.8.0 No Yes[7] No 2.8.2	n/a n/a n/a Diablo n/a	EasyMiner n/a	n/a n/a n/a ctionality gMinor n/a	n/a n/a n/a RroupFabric No Yes No Yes No No No No Yes	n/a n/a n/a No No testing No	n/a n/a n/a OSFPGABM n/a	n/a n/a n/a Phoenix n/a	No Yes No 20121020 No No No Yes	No N	n/a n/a n/a ScalaMiner No
Function resume reconnect add peers set diff suggest target suggest difficulty transparency get ver show msg	No Yes BFG 3.0.0 2.9.0 No 2.9.0 3.2.0 ^[6] 5.4.0 partial 2.9.0 3.0.0	n/a n/a n/a BitMinter No Yes No Yes No No No Yes Yes Yes	n/a n/a n/a BTCMiner n/a	No No No Yes Cgminer 2.11.0 2.8.2 No 2.8.0 No Yes (7) No 2.8.2 2.11.1	n/a n/a n/a Diablo n/a	EasyMiner n/a	n/a n/a n/a ctionality gMinor n/a	n/a n/a n/a n/a GroupFabric No Yes No	n/a n/a n/a No No testing No	n/a n/a n/a OSFPGABM n/a	n/a n/a n/a Phoenix n/a	No Yes No 20121020 No No No No No Yes No	No N	n/a n/a n/a ScalaMiner No
Function resume reconnect add peers set diff suggest target suggest difficulty transparency get ver show msg get hashrate	No Yes BFG 3.0.0 2.9.0 No 2.9.0 3.2.0 ^[6] 5.4.0 partial 2.9.0 3.0.0 No	n/a n/a n/a n/a BitMinter No Yes No No No No Yes Yes No	n/a n/a n/a n/a BTCMiner n/a	No No No Yes Cgminer 2.11.0 2.8.2 No No Yes No 2.8.0 No 2.8.2 2.11.1 No	n/a n/a n/a Diablo n/a	EasyMiner n/a	n/a n/a n/a n/a ctionality gMinor n/a	n/a n/a n/a n/a GroupFabric No Yes No No Yes No No No No No No No	n/a n/a n/a No No testing No No	n/a n/a n/a OSFPGABM n/a	n/a n/a n/a Phoenix n/a	No Yes No 20121020 No No No No No Yes No	No N	n/a n/a n/a ScalaMiner No
Function resume reconnect add peers set diff suggest target suggest difficulty transparency get ver show msg get hashrate get temp	No Yes BFG 3.0.0 2.9.0 No 2.9.0 3.2.0 ^[6] 5.4.0 partial 2.9.0 No No	n/a n/a n/a n/a BitMinter No Yes No No No No No Yes No No No No No No No No No	n/a	No No No Yes Cgminer 2.11.0 2.8.2 No 2.8.0 No Yes[7] No 2.8.2 2.11.1 No No	n/a n/a n/a Diablo n/a	EasyMiner n/a	n/a n/a n/a n/a ctionality gMinor n/a	n/a n/a n/a n/a GroupFabric No Yes No Yes No	n/a n/a n/a No No testing No	n/a n/a n/a OSFPGABM n/a	n/a n/a n/a Phoenix n/a	No Yes No 20121020 No No No No No Yes No	No N	n/a n/a n/a n/a ScalaMiner No
Function resume reconnect add peers set diff suggest target suggest difficulty transparency get ver show msg get hashrate get temp roll ntime	No Yes BFG 3.0.0 2.9.0 No 2.9.0 3.2.0 ^[6] 5.4.0 partial 2.9.0 3.0.0 No	n/a n/a n/a n/a BitMinter No Yes No No No No Yes Yes No	n/a n/a n/a n/a BTCMiner n/a	No No No Yes Cgminer 2.11.0 2.8.2 No No Yes No 2.8.0 No 2.8.2 2.11.1 No	n/a n/a n/a Diablo n/a	EasyMiner n/a	n/a n/a n/a n/a ctionality gMinor n/a	n/a n/a n/a n/a GroupFabric No Yes No No Yes No No No No No No No	n/a n/a n/a No No testing No No	n/a n/a n/a OSFPGABM n/a	n/a n/a n/a Phoenix n/a	No Yes No 20121020 No No No No No Yes No	No N	n/a n/a n/a n/a ScalaMiner No
Function resume reconnect add peers set diff suggest target suggest difficulty transparency get ver show msg get hashrate get temp roll ntime extranonce subscribe	No Yes BFG 3.0.0 2.9.0 No 2.9.0 3.2.0 ^[6] 5.4.0 partial 2.9.0 No No	n/a n/a n/a n/a BitMinter No Yes No No No No No Yes No No No No No No No No No	n/a	No No No Yes Cgminer 2.11.0 2.8.2 No 2.8.0 No Yes[7] No 2.8.2 2.11.1 No No	n/a n/a n/a Diablo n/a	EasyMiner n/a	n/a n/a n/a n/a ctionality gMinor n/a	n/a n/a n/a n/a GroupFabric No Yes No Yes No	n/a n/a n/a No No testing No No	n/a n/a n/a OSFPGABM n/a	n/a n/a n/a Phoenix n/a	No Yes No 20121020 No No No No No Yes No	No N	n/a n/a n/a ScalaMiner No
Function resume reconnect add peers set diff suggest target suggest difficulty transparency get ver show msg get hashrate get temp roll ntime extranonce	No Yes BFG 3.0.0 2.9.0 No 2.9.0 3.2.0 ^[6] 5.4.0 partial 2.9.0 No No No 3.1.4	n/a n/a n/a n/a BitMinter No Yes No Yes No No No No Yes Yes No No Yes	n/a n/a n/a BTCMiner n/a	No No No Yes cgminer 2.11.0 2.8.2 No 2.8.0 No Yes[7] No 2.8.2 2.11.1 No No No No	n/a n/a n/a Diablo n/a	EasyMiner n/a	n/a n/a n/a ctionality gMinor n/a	n/a n/a n/a n/a GroupFabric No Yes No	n/a n/a n/a MPBM No testing No No	n/a n/a n/a OSFPGABM n/a	n/a n/a n/a Phoenix n/a	No Yes No 20121020 No No No No No Yes No No No	No N	n/a n/a n/a ScalaMiner No
Function resume reconnect add peers set diff suggest target suggest difficulty transparency get ver show msg get hashrate get temp roll ntime extranonce subscribe block unsafe	No Yes BFG 3.0.0 2.9.0 No 2.9.0 3.2.0 ^[6] 5.4.0 partial 2.9.0 No No No 4.7.0	n/a n/a n/a n/a BitMinter No Yes No No No Yes No No No Yes Yes No No No No	n/a n/a n/a n/a BTCMiner n/a	No No No Yes Cgminer 2.11.0 2.8.2 No 2.8.0 No Yes[7] No 2.8.2 2.11.1 No No No No	n/a	EasyMiner n/a	n/a n/a n/a ctionality gMinor n/a	n/a n/a n/a n/a n/a GroupFabric No Yes No	n/a n/a n/a n/a MPBM No testing No No No	n/a n/a n/a OSFPGABM n/a	n/a n/a n/a Phoenix n/a	No Yes No 20121020 No	No N	n/a n/a n/a ScalaMiner No

- 1. ↑ 1.0 1.1 Windows includes (usually installed by default) the WoW64 subsystem & which enables running 32-bit Windows applications, with low performance impact.
 2. ↑ 2.0 2.1 2.2 2.3 2.4 2.5 2.6 Supported, but not advertised
- 3. \uparrow 3.0 3.1 Supported, but has bugs.
- 4. \uparrow ^{4.0} ^{4.1} ^{4.2} Not advertised, but generally doesn't discard shares.
- 5. ↑ Older versions have serious bugs.
- 6. ↑ Uses precise string target, implemented Aug 12, 2013 commit 4a12eae ₽
- 7. ↑ Uses difficulty integer, implemented Oct 20, 2014 commit 4a83f2ce as per the stratum designers suggested implementation ₱ Feb 20, 2013

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