OpenCPI FPGA Boards at Atomic Rules

ID	Board Vendor	Board Model	Board Name	FPGA	PCIe	FTop	Status
101	Xilinx	ML555	ml555	V5-LX50T	Gen1 x8	FTopV5	B,H(3),R,$W_{12.4}$
102	Abekas	Alder	alder	V5-LX50T	Gen1 x8	FTopV5	B,H(1), $W_{12.4}$
103	Generic	Generic	schist	V5-SX95T	Gen1 x8	FTopV5	B,P(1),R, $W_{12.4}$
104	Xilinx	XUPV5	xupv5	V5-LX110T	Gen1 x1	FTopV5	B,H(2),R, $W_{12.4}$
105	Generic	Generic	biotite	V5-FX130T	Gen1 x8	FTopV5	U1
106	HiTechGlobal	Net10G	nf10	V5-TX240T	Gen1 x8	FTopV5	B, H(0)
107	Generic	Generic	illite	V5-LX330T	Gen1 x8	FTopV5	B,P(0)
108	Xilinx	ML605	ml605	V6-LX240T	Gen2 x4	FTopV6	B,H(1),R, $W_{12.4}$
109	Xilinx	SP605	sp605	S6-LX45T	Gen1 x1	FTopS6	B,H(1)
110	Altera	4CGX15N	alcy4	4CGX-12	Gen1 x1	FTopCGX	H(1)
111	HiTechGlobal	S4GX-230	htgs4	4SGX-230	Gen2 x8	FTopSGX	U2, H(0)

Status Codes:

B = In OpenCPI build

H = Hardware in Use (number of boards located at AR-Auburn)

P = Proprietary Hardware (number of boards located at AR-Auburn)

R = In Test Regressions

U1 = Under Consideration; U2 = Planning Phase

W = Known Working (ISE or Quartus Tool Version)

Development/Target Machines for PCIe at Atomic Rules

Machine Name	OS	Chipset	GPU	DRAM (GB)
core980	RHEL6.0 WS 64b	X58	GTX470	12
core960	RHEL5.3 WS 64b	X58	GTX285	12
core920	RHEL5.3 WS 64b	X58	GTX280	12
amd790 [1]	RHEL5.3 WS 64b	790FX	8800GT	4
Q9550	XP-SP3 32b	X48	GTX280	4
XP8500	XP-SP3 32b	X48	8800GT	4

Note Codes:

[1] = On loan to OpenCPI development partner in Exeter, NH

Updated: 2010-12-29