

FEATURES	CARD	V4	V4	V4	V4	V2 600	V2 1200	V2 500	V1 600
	StandAlone	FireBird	IceDrake	MantiCore	V2 600	V2 1200	V2 500	V1 600	
For which Amiga	Not needed	A500/1000/2000	A1200	A600	A600	A1200	A500	A600	
Build year	2019	2021	2022	2022	2015	2020	2018	2012	
Available for sale in Apollo Shop	✓	✓	✓	✓	-	-	-	-	
Active development by Apollo Team	✓	✓	✓	✓	-	-	-	-	
FPGA type	Cyclone 5	Cyclone 5	Cyclone 5	Cyclone 5	Cyclone 3	Cyclone 3	Cyclone 3	Cyclone 2	
RAM chip	DDR3	DDR3	DDR3	DDR3	SDRAM	SDRAM	SDRAM	SDRAM	
CPU MIPS	175 MIPS	175 MIPS	175 MIPS	175 MIPS	145 MIPS	155 MIPS	145 MIPS	75 MIPS	
64bit AMMX	✓	✓	✓	✓	✓	✓	✓	-	
FPU flops	90	90	90	90	55	55	55	0	
Max Int. Instructions per cycle	6	6	6	6	4	4	4	1	
Parallel FPU instructions	23	23	23	23	11	11	11	0	
Total memory	512 MB	512 MB	512 MB	512 MB	128 MB	128 MB	128 MB	64 MB	
Chip memory upgrade	12 MB	6 MB	6 MB	6 MB	-	-	-	-	
Fast ROM	✓	✓	✓	✓	✓	✓	✓	✓	
TrueColor RTG	✓	✓	✓	✓	✓	✓	✓	-	
Fast IDE	✓	✓	✓	✓	✓	✓	✓	-	
Onboard 100 Mbit Ethernet	✓	✓	✓	✓	-	-	-	-	
HDMI amplifier Chip	✓	✓	✓	✓	-	✓	-	-	
PIP/ Video Hardware overlay	✓	✓	✓	✓	-	-	-	-	
3D core (Maggie)	✓	✓	✓	✓	-	-	-	-	
16Bit audio (Arne)	✓	✓	✓	✓	-	-	-	-	
Enhanced Amiga audio DMA channel	16	16	16	16	0	0	0	0	
Enhanced Sprites	✓	✓	✓	✓	-	-	-	-	
32Bit copper	✓	✓	✓	✓	-	-	-	-	
Play OCS games on HDMI	✓	✓	✓	✓	-	-	-	-	
Play AGA games on HDMI	✓	✓	✓	✓	-	-	-	-	
SD card	✓	✓	✓	✓	✓	✓	✓	-	
USB port (mouse, joypad, keyboard)	3	2	2	2	-	-	-	-	
RTC port	✓	✓	✓	✓	-	-	-	-	
Expansion ports	✓	✓	✓	✓	-	✓	✓	-	
Built in deinterlacer (flicker fixer)	✓	✓	✓	✓	-	-	-	-	