



























































t number reference ic elements (K) iptive logic modules (ALMs) jsters OK memory blocks	10AX016 / 10AS016 160 61,510 246,040	10AX022 / 10A5022 220 83,730	10AX027 / 10A5027 270 101.620	10AX032 / 10A5032 320	10AX048 / 10AS048 480		10AX066 / 10AS066	10AX090	10AX115	10AT090	10AT115
ptive logic modules (ALMs) isters	61,510			320	480						
isters		83,730	101.620			570	660	900	1,150	900	1,150
	246.040			118,730	181,790	217,080	250,540	339,620	427,200	339,620	427,200
DK memory blocks		334,920	406,480	474,920	727,160	868,320	1,002,160	1,358,480	1,708,800	1,358,480	1,708,80
	440	588	750	891	1,438	1,800	2,133	2,423	2,713	2,423	2,713
OK memory (Mb)	9	11	15	17	28	35	42	47	53	47	53
AB memory (Mb) dened single-precision ting-point multiplers/adders	1.0 156/156	1.8 191/191	2.4 830/830	2.8 985/985	4.3 1,368/1,368	5.0 1,523/1,523	5.7 1,688/1,688	9.2 1,518/1,518	12.7 1,518/1,518	9.2 1,518/1,518	12.7
x 19 multipliers	312	382	1,660	1,970	2,736	3,046	3,376	3,036	3,036	3,036	3,036
k GMACS	343	420	1,826	2,167	3,010	3,351	3,714	3,340	3,340	3,340	3,340
k giga floating-point ration per second (GFLOPS)	140	172	747	887	1,231	1,371	1,519	1,366	1,366	1,366	1,366
											16
	1000	100	100					1000		010	312
ximum user I/O pins	288	288	384	384	492	624	624	768	768	624	624
sceiver count (17.4 Gbps)	12	12	24	24	36	48	48	96	96	96	96
asceiver count (28 Gbps)	(5)	-	-	200		-		-	-	16	16
Express® (PCIe®) d IP blocks (Gen3)	1	1	2	2	2	2	2	4	4	.4	4
kimum 3 V I/O pins	48	48	48	48	48	48	48	-		-	-
「「「「「「「」」」」 「「」」 「」」 「」」 「」」 「」」 「」」 「	Inerd single-precision ing-point multiplen/addens ing-point multiplen/addens i glaga floating-point effects insum UVDS channels (1 6.6 G) immum UVDS channel	Interfactor 156/156 19 multiples 312 (GMACS 343 appling factor paint 140 appling factor paint 140 and locks 8 mam USOS channels (16 d) 120 mam user USOs channels (17 d Gapa) 12 octiver count (17 d Gapa) - pagending (UCMP) 1	Interfaciency IS6756 I91/191 19 multiplem 312 382 06MCS 333 420 oppin multiplemity 140 172 oppin formity 140 172 oppin formity 160 172 oppin formity 160 172 oppin formity 61 170 oppin formity 288 288 oppin formity 288 288 oppin formity 12 12 oppen formity - - oppensity 1 1 parts 184x5566671 1	Interference 156/156 191/171 BUDBD 19 multiplem 312 342 1,660 19 multiplem 312 342 1,660 (GMACS 343 420 1,226 gigs finding-point disper second (GMOP) 140 172 747 and clocks 8 8 8 mem U505 chare(H G4) 120 130 168 icon exclud (GMOP) 228 268 384 octer count (174 Gap) 12 12 24 iconter count (200) - - - lipschift (GMOP) 1 1 2	Interfaciency 156/156 191/191 BD0BD 985953 19 multiples 312 384 1,660 1,970 19 multiples 312 384 1,660 1,970 gigs finding point stopp stood (Gropp) 160 172 7,07 887 and clock 6 8 8 8 manu Clock 102 120 168 164 manu Clock 102 228 384 384 colver count (17, 6 App) 12 22 24 24 colver count (17, 6 App) - - - - appress ¹ (Reds) ¹ 1 2 2 2 2	Interfaciency 150/150 191/151 820/150 98/5985 1,368/1,368 19 multiplem 312 3140 1,400 1,270 2,736 19 multiplem 312 3140 1,020 1,221 2,167 3,010 gigs findingspoint disper second (GROPS) 140 172 747 887 1,231 and clocks 8 8 8 8 222 221 mom unclock-shared (GROPS) 120 120 168 168 222 mom unclock-shared (GROPS) 121 121 24 24 36 coler costs (17.4 GROP) 12 12 24 24 36 coler costs (17.4 GROP) -0 -	Internet single-precision priore multiply-single-precision 156/156 191/19 BDDDD 985/985 1,328/1362 1,523/1322 19 multiple- tiple multiply- gaps multiply-single-priori gaps multiply-single-priori gaps multiply-single-priori gaps multiply-single-priori gaps multiply-single-priori gaps multiply-single-priori gaps multiply-single-priori gaps multiply-single-priori multiply-single-priori gaps multiply-single-priori gaps multiply-singly-single-priori gaps multiply-single-priori gaps mul	Interdisplay 155/56 111/11 85/07/0 96/07/0 15/6/17/68 1.52/17/22 1.68/07/68 19 multiplay 31/2 31/8 1.60 1.970 2.756 3.046 3.176 19 multiplay 31/2 31/8 1.60 1.970 2.756 3.046 3.176 19 multiplay 31/2 4.00 1.526 2.167 3.10 3.714 gate finding point display multiplay 140 172 747 887 1.231 1.371 1.519 and clost 8 8 8 8 8 8 6 16 mmol 05 chared (160) 100 100 168 168 4.02 2.00 200 mom uno 10 pins 2.86 2.86 3.84 3.84 4.92 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.24 4.	Interdisplay 19/19/19 19/19/19 80/19/20 95/99/30 1,38/1,368 1,52/1,52/1 1,68/1,688 1,51/11/11 19 multiplem 112 32/2 1,66/0 1,70 2,706 3,06/0 3,06/0 3,	Interdispland proper multiply-specific proper multiply-specific propecific proper multiply-specific proper multiply-specifi	Interdispersiding sport multipuesding inport multipuesding 15/19/5 11/19/1 15/19/5 <





