

# XILINX VIRTEX-II SERIES FPGAs

<http://www.xilinx.com/products/platform/>

		Virtex-II Pro (1.5V)										Virtex-II (1.5V)											
		XC2VP2	XC2VP4	XC2VP7	XC2VP20	XC2VP30	XC2VP40	XC2VP50	XC2VP70	XC2VP100	XC2VP125	XC2V40	XC2V80	XC2V250	XC2V500	XC2V1000	XC2V1500	XC2V2000	XC2V3000	XC2V4000	XC2V6000	XC2V8000	
<b>Pins</b>	<b>Body Size</b>	I/O's 204	348	396	564	692	804	852	996	1164	1200	88	120	200	264	432	528	624	720	912	1104	1296	
<b>Chip Scale Packages — wire-bond chip-scale BGA (0.8 mm ball spacing)</b>																							
144	12 x 12 mm											88	92	92									
<b>BGA Packages (BG) — wire-bond standard BGA (1.27 mm ball spacing)</b>																							
575	31 x 31 mm															328	392	408					
728	35 x 35 mm																		516				
<b>FGA Packages (FG) — wire-bond fine-pitch BGA (1.0 mm ball spacing)</b>																							
256	17 x 17 mm	140	140									88	120	172	172	172							
456	23 x 23 mm	156	248	248										200	264	324							
676	27 x 27 mm																392	456	484				
<b>FFA Packages (FF) — flip-chip fine-pitch BGA (1.0 mm ball spacing)</b>																							
672	27 x 27 mm	204	348	396																			
896	31 x 31 mm			396	556	556										432	528	624					
1152	35 x 35 mm				564	644	692	692											720	824	824	824	
1148*	35 x 35 mm						804	812															
1517	40 x 40 mm						804	852	964											912	1104	1108	
1704	42.5 x 42.5 mm								996	1040	1040												
1696*	42.5 x 42.5 mm									1164	1200												
<b>BFA Packages (BF) — flip-chip fine-pitch BGA (1.27 mm ball spacing)</b>																							
957	40 x 40 mm																	624	684	684	684		

		Virtex-II Pro Package Configurations with Available RocketIO Transceiver Blocks									
		XC2VP2	XC2VP4	XC2VP7	XC2VP20	XC2VP30	XC2VP40	XC2VP50	XC2VP70	XC2VP100	XC2VP125
<b>Package</b>											
FG256		4	4								
FG456		4	4	8							
FF672		4	4	8							
FF896				8	8	8					
FF1152					8	8	12	16			
FF1148							0*	0*			
FF1517							12	16	16		
FF1704									20	20	24
FF1696										0*	0*

Note: \* FF1148 and FF1696 packages support higher number of user I/O and zero RocketIO multi-gigabit transceivers

Note: Within the same family, all devices in a particular package are pin-out (footprint) compatible.  
 Virtex-II packages FG456 and FG676 are also footprint compatible.  
 Virtex-II packages FF896 and FF1152 are also footprint compatible.  
 \* The FF1148 and FF1696 packages support higher number of user I/O and zero RocketIO™ multi-gigabit transceivers.  
**Important: Verify all Data with Device Data Sheet (<http://www.xilinx.com/partinfo/databook.htm>)**

Numbers indicated in the matrix are the maximum number of user I/O's for that package and device combination, I/Os for RocketIO MGTs are not included in this table.

