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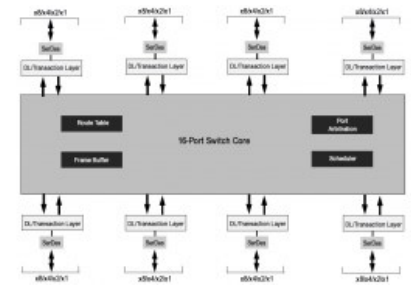


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Provides 64 PCIe Gen2 lanes and 16 ports of high-performance, deterministic system interconnect switching. All ports receive full line rate, non-blocking throughput for multiple traffic flows regardless of switch loading.

- 64 PCIe Gen2 Lanes, 16 Switch Ports
- Non-blocking switch architecture optimized for High Performance System Interconnect
- Partitionable switch architecture for true multi-root support
- Internal buffering and flow control credits optimized for maximum bandwidth and large payloads
- Low latency, Low power



PCIe Lanes (#)	Ports (#)	PCIe Generation	Pkg. Code	Pkg. Type	Length (mm)	Width (mm)	Temp. Grade
64	16	Gen2	BL1156, BLG1156	FCBGA	35	35	I, C

Orderable Part ID	Part Status	Pkg. Code	Pkg. Type	Lead Count (#)	Temp. Grade	Pb (Lead) Free	Carrier Type	Sample & Buy
89H64H16AG2ZCBL	Active	BL1156	FCBGA	1156	C	No	Tray	Check Availability
89H64H16AG2ZCBLG	Active	BLG1156	FCBGA	1156	C	Yes	Tray	Check Availability
89H64H16AG2ZCBLGI	Active	BLG1156	FCBGA	1156	I	Yes	Tray	Check Availability
89H64H16AG2ZCBLI	Active	BL1156	FCBGA	1156	I	No	Tray	Check Availability

	Title	Other Languages	Type	Format	File Size	Date ▾
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	89PES64H16AG2 Data Sheet	Datasheet	PDF	466 KB	Nov 28, 2011
	89PES64H16AG2 Device Errata (Revision ZC)	Errata	PDF	163 KB	Feb 11, 2011
	89PES64H16AG2 Device Errata (Revision ZB)	Errata	PDF	50 KB	Jun 26, 2009
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89PES64H16AG2 Device User Manual	Manual	PDF	3.82 MB	Apr 5, 2013
PCI Express Browser Rev 5.0.2 User Manual	Manual	PDF	2.49 MB	Dec 3, 2010

	Title	Other Languages	Type	Format	File Size	Date▼
	AN-825: SerDes Configuration for Industrial Temperature		Application Note	PDF	124 KB	Jul 4, 2014
	AN-715, Multi-Port SSC Support in IDT PCIe Gen2 Switches		Application Note	PDF	312 KB	Oct 26, 2009
	AN-721, IDT PCIe Gen2 Switch Hardware Design Guide		Application Note	PDF	341 KB	Aug 14, 2009
	+ show all (6)					
PCNs & PDNs						
	PCN# : A1602-02 Add ASEK, Taiwan as an Alternate Assembly		Product Change Notice	PDF	497 KB	May 17, 2016
	PCN# : A1505-01R1 Assembly Location Transfer from Amkor Philippines to Amkor Taiwan and ASEK Taiwan		Product Change Notice	PDF	524 KB	Oct 29, 2015
	PCN# : A1505-01 Transfer Assembly Location ATP to ATT and ASEK on Select Products		Product Change Notice	PDF	632 KB	Aug 17, 2015
	+ show all (4)					
Other						
	IDT PCI Express Solutions Overview	简体中文, 日本語	Overview	PDF	945 KB	Aug 4, 2016
	89EBPES64H16AG2 Eval Board Schematics in PDF format (this board was never manufactured)		Schematic	PDF	6.06 MB	Jan 29, 2009
	89PES64H16AG2 OrCAD symbol		Misc	ZIP	14 KB	Jan 29, 2009
	+ show all (4)					

Software & Tools

	Title	Type	Format	File Size	Date▼
	89PES64H16AG2 BSDL (Revision ZA)	Model - BSDL	TXT	58 KB	Jan 30, 2009
	89PES64H16AG2 BSDL (Revision ZB)	Model - BSDL	TXT	58 KB	Feb 7, 2010
	89PES64H16AG2 BSDL (Revision ZC)	Model - BSDL	TXT	58 KB	Feb 7, 2010
	PCI Express Browser Rev 4.9 Linux Installation	Software Tool	ZIP	48.85 MB	Jan 19, 2009
	PCI Express Browser Rev 5.0.2 Linux Installation	Software Tool	application/x-gzip	30.49 MB	Nov 17, 2015
	PCI Express Browser Rev 5.0.2 Windows Installation	Software Tool	ZIP	54.45 MB	Dec 3, 2010
	PCI Express Browser Rev 5.0.2 Windows Installation - Digitally Signed	Software Tool	ZIP	104.57 MB	Jun 16, 2011

Evaluation Boards

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EVALUATION BOARD
(NO IMAGE AVAILABLE)

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System Development Kit
for the 89H64H16AG2

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