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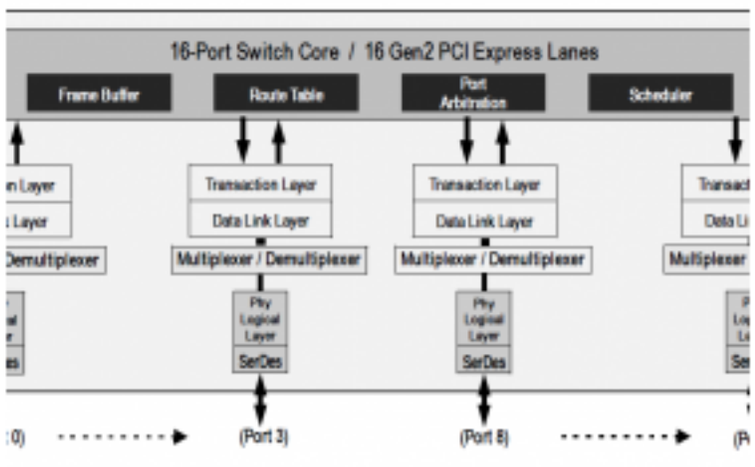
89H16NT16G2
16-lane, 16-port PCIe Gen2 System Interconnect Switch

Provides 16 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.



Features

- 16 PCIe Gen2 Lanes, 16 Switch Ports
- Non-blocking switch architecture optimized for High Performance System Interconnect
- Partionable switch architecture for true mutli-root support
- Multiple Nontransparent Bridging functions supported (NTB)
- Movable upstream support
- On-board DMA support
- Internal buffering and flow control credits optimized for maximum bandwidth and large payloads
- Low latency, Low power

Product Specification

PCIE LANES (#)	PORTS (#)	PCIE GENERATION	PKG. CODE	PKG. TYPE	LENGTH (MM)	WIDTH (MM)	TEMP. GRADE
16	16	Gen2	HL324, HLG324	FCBGA	19	19	C, I

Product Options

ORDERABLE PART ID	PART STATUS	PKG. CODE	PKG. TYPE	LEAD COUNT (#)	TEMP. GRADE	PB (LEAD) FREE	ORDER
89H16NT16G2ZBHL	Active	HL324	FCBGA	324	C	N	Check Inventory
89H16NT16G2ZBHL8	Active	HL324	FCBGA	324	C	N	Check Inventory
89H16NT16G2ZBHLG	Active	HLG324	FCBGA	324	C	Y	Check Inventory
89H16NT16G2ZBHLG8	Active	HLG324	FCBGA	324	C	Y	Check Inventory
89H16NT16G2ZBHLGI	Active	HLG324	FCBGA	324	I	Y	Check Inventory
89H16NT16G2ZBHLGI8	Active	HLG324	FCBGA	324	I	Y	Check Inventory
89H16NT16G2ZBHLI	Active	HL324	FCBGA	324	I	N	Check Inventory
89H16NT16G2ZBHLI8	Active	HL324	FCBGA	324	I	N	Check Inventory
89H16NT16G2ZCHL	Active	HL324	FCBGA	324	C	N	Check Inventory
89H16NT16G2ZCHL8	Active	HL324	FCBGA	324	C	N	Check Inventory
89H16NT16G2ZCHLG	Active	HLG324	FCBGA	324	C	Y	Check Inventory
89H16NT16G2ZCHLG8	Active	HLG324	FCBGA	324	C	Y	Check Inventory
89H16NT16G2ZCHLGI	Active	HLG324	FCBGA	324	I	Y	Check Inventory
89H16NT16G2ZCHLGI8	Active	HLG324	FCBGA	324	I	Y	Check Inventory
89H16NT16G2ZCHLI	Active	HL324	FCBGA	324	I	N	Check Inventory
89H16NT16G2ZCHLI8	Active	HL324	FCBGA	324	I	N	Check Inventory

Documents

	TITLE	TYPE	FORMAT	FILE SIZE	DATE
	PES32NT8BG2 DATA SHEET (MYIDT ACCESS REQUIRED. CLICK FOR DETAILS.)	Datasheet	PDF	121 KB	01/26/2010
	IDT PCI Express Solutions Overview	Overview	PDF	2.47 MB	09/14/2011

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