

Products > Interface & Connectivity > PCI Express® Solutions > PCI Express® Switches > System Interconnect Switches > 32-lane, 8-port PCIe Gen2 System Interconnect Switch

DOWNLOAD DATASHEET



Status: **Active**

Product Quick Links

Specifications

Product Options

Documentation & Tools

Technical Support

Contact Sales

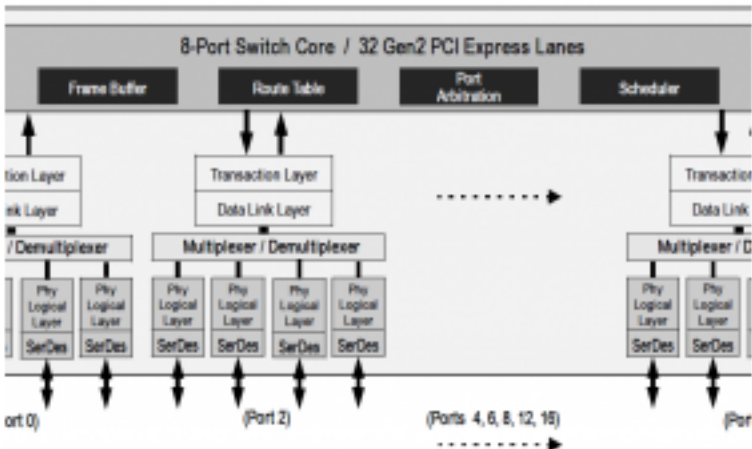
## 89H32NT8BG2

### 32-lane, 8-port PCIe Gen2 System Interconnect Switch

Provides 32 PCIe Gen2 lanes and 8 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

- 32 PCIe Gen2 Lanes, 8 Switch Ports
- Non-blocking switch architecture optimized for High Performance System Interconnect
- Partitionable switch architecture for true multi-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 |
|----------------|-----------|-----------------|---------------|-----------|-------------|------------|-------------|
| 32             | 8         | Gen2            | HL484, HLG484 | FCBGA     | 23          | 23         | C, I        |

#### Product Options

| ORDERABLE PART ID  | PART STATUS | PKG. CODE              | PKG. TYPE | LEAD COUNT (#) | TEMP. GRADE | PB (LEAD) FREE | ORDER                           |
|--------------------|-------------|------------------------|-----------|----------------|-------------|----------------|---------------------------------|
| 89H32NT8BG2ZBHL    | Active      | <a href="#">HL484</a>  | FCBGA     | 484            | C           | N              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZBHL8   | Active      | <a href="#">HL484</a>  | FCBGA     | 484            | C           | N              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZBHLG   | Active      | <a href="#">HLG484</a> | FCBGA     | 484            | C           | Y              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZBHLG8  | Active      | <a href="#">HLG484</a> | FCBGA     | 484            | C           | Y              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZBHLGI  | Active      | <a href="#">HLG484</a> | FCBGA     | 484            | I           | Y              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZBHLGI8 | Active      | <a href="#">HLG484</a> | FCBGA     | 484            | I           | Y              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZBHLI   | Active      | <a href="#">HL484</a>  | FCBGA     | 484            | I           | N              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZBHLI8  | Active      | <a href="#">HL484</a>  | FCBGA     | 484            | I           | N              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZCHL    | Active      | <a href="#">HL484</a>  | FCBGA     | 484            | C           | N              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZCHL8   | Active      | <a href="#">HL484</a>  | FCBGA     | 484            | C           | N              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZCHLG   | Active      | <a href="#">HLG484</a> | FCBGA     | 484            | C           | Y              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZCHLG8  | Active      | <a href="#">HLG484</a> | FCBGA     | 484            | C           | Y              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZCHLGI  | Active      | <a href="#">HLG484</a> | FCBGA     | 484            | I           | Y              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZCHLGI8 | Active      | <a href="#">HLG484</a> | FCBGA     | 484            | I           | Y              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZCHLI   | Active      | <a href="#">HL484</a>  | FCBGA     | 484            | I           | N              | <a href="#">Check Inventory</a> |
| 89H32NT8BG2ZCHLI8  | Active      | <a href="#">HL484</a>  | FCBGA     | 484            | I           | N              | <a href="#">Check Inventory</a> |

#### Documents

|  | TITLE                                                                              | TYPE ▲    | FORMAT | FILE SIZE | DATE       |
|--|------------------------------------------------------------------------------------|-----------|--------|-----------|------------|
|  | <a href="#">PES32NT8BG2 DATA SHEET (MYIDT ACCESS REQUIRED. CLICK FOR DETAILS.)</a> | Datasheet | PDF    | 121 KB    | 01/26/2010 |
|  | <a href="#">IDT PCI Express Solutions Overview</a>                                 | Overview  | PDF    | 2.47 MB   | 09/14/2011 |

GET TECHNICAL SUPPORT

CONTACT SALES OFFICE