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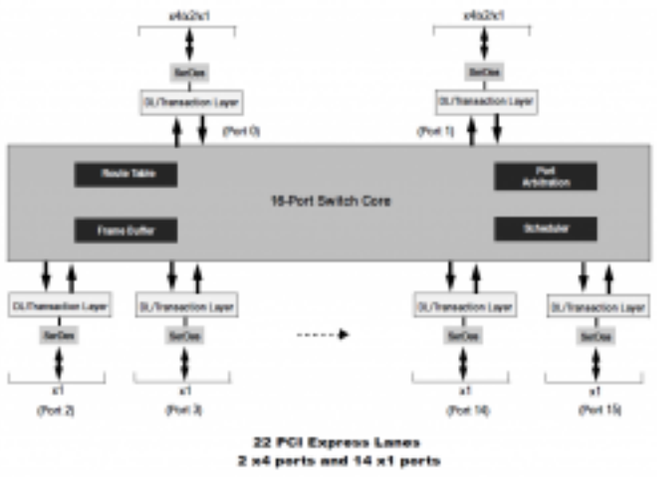
# 89H22H16G2
# 22-lane, 16-port PCIe Gen2 System Interconnect Switch

Provides 22 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

- 22 PCIe Gen2 Lanes, 16 Switch Ports
- Non-blocking switch architecture optimized for High Performance System Interconnect
- Partionable switch architecture for true mutli-root 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 |
|---|---|---|---|---|---|---|---|
| 22 | 16 | Gen2 | BL1156, BLG1156 | FCBGA | 35 | 35 | I, C |

## Product Options

| ORDERABLE PART ID | PART STATUS | PKG. CODE | PKG. TYPE | LEAD COUNT (#) | TEMP. GRADE | PB (LEAD) FREE | ORDER |
|---|---|---|---|---|---|---|---|
| 89H22H16G2ZCBL | Active | BL1156 | FCBGA | 1156 | C | N | Check Inventory |
| 89H22H16G2ZCBLG | Active | BLG1156 | FCBGA | 1156 | C | Y | Check Inventory |
| 89H22H16G2ZCBLI | Active | BL1156 | FCBGA | 1156 | I | N | Check Inventory |

## Documents

| | TITLE | TYPE | FORMAT | FILE SIZE | DATE |
|---|---|---|---|---|---|
| | AN-721, IDT PCIe Gen2 Switch Hardware Design Guide | Application Note | PDF | 341 KB | 08/14/2009 |
| | AN-720, Enabling Hot-Plug in IDT PCIe Gen2 SI Switches | Application Note | PDF | 182 KB | 07/20/2009 |
| | AN-715, Multi-Port SSC Support in IDT PCIe Gen2 Switches | Application Note | PDF | 312 KB | 10/26/2009 |
| | PES22H16G2 Data Sheet (myIDT Access Required. Click for details.) | Datasheet | PDF | 124 KB | 01/21/2010 |
| | IDT PCI Express Solutions Overview | Overview | PDF | 2.47 MB | 09/14/2011 |

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