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 - ◆ Architectures
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- **Industry Structure**
 - ◆ Applications
 - ◆ Industry Associations
 - ◆ Interface Strengths and Weaknesses
- **Market Analysis and Forecast, 2006-2011**
 - ◆ PCI Express
 - ◆ HyperTransport
 - ◆ RapidIO
 - ◆ InfiniBand
 - ◆ Ethernet
- **Company Profiles**



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Advanced Bus and Interface Markets and Trends

Synopsis

When it released the PCI specification in 1992, Intel could hardly have imagined how ubiquitous the PCI bus would become. Originally intended only as the local I/O bus for PC motherboards and PC peripherals, PCI virtually swept away all other board and backplane buses. As demand for bandwidth continued to grow, however, designers found that conventional PCI was no longer adequate for many systems.

As a result, numerous advanced architectures—PCI Express, HyperTransport, RapidIO, InfiniBand, and Ethernet—were created to compete for a share of the bus and interface market. This market is highly complex with regard to both technologies and market segments. To help you evaluate the future direction of this market, *Electronic Trend Publications* is pleased to present the **Sixth Edition** of its comprehensive market report, **Advanced Bus and Interface Markets and Trends**.

This report analyzes and forecasts the new interfaces that are competing to fill the interconnection needs of high-performance systems in the coming years. The interface level forecast is used to forecast the semiconductor markets for these interfaces.

A review of the technical trends in the major buses and interfaces that are competing in this market opens the report. This review looks at the architectures of these buses and interfaces and the general applications at which each is targeted.

Following the technical review, the report presents a qualitative look at some key applications of widespread interest. This chapter also looks at the industry consortia that are promoting each of the interfaces, and the general strengths and weaknesses of each interface.

Next, market analyses and forecasts for the interfaces are detailed. The market presentation is based on an underlying forecast for the primary components of the bus and interface market—PCs, servers, workstations, and embedded systems. For each architecture, forecasts are made—as applicable—for host ports, end point ports, and switch ports.

Many companies, both large and small, are involved in these markets. Brief profiles of nearly 60 participants are included in the report. The steady addition of new competitors and the shifting boundaries among the product segments makes for a lively and challenging situation.

Advanced Bus and Interface Markets and Trends, Sixth Edition will provide you with all the critical information you need to assess this dynamic market. The report sells for \$2295, with extra copies \$350. (Each copy includes both a hard-bound version and a single-user PDF on CD-ROM. Corporate licensing is available—contact us for pricing.) Order your copies today!

About the Author

Steve Berry is President and Principal Analyst of Electronic Trend Publications (ETP). Mr. Berry has been responsible for the direction of all aspects of ETP's broad-ranging research portfolio since 1993. In the eighteen years prior to joining ETP, he held a variety of engineering, manufacturing management, and business development positions with General Electric and Xerox. Mr. Berry holds a BS in Engineering from North Carolina State University and an MBA from Stanford University.

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