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Enabling Energy Efficient  
High Performance Networking



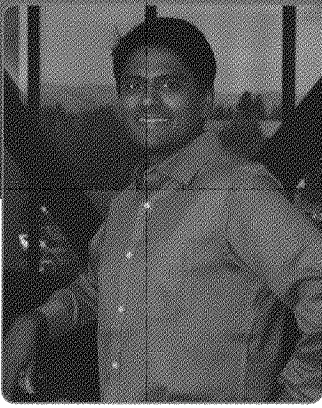
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# AppliedMicro

2009 Annual Report



**Dr. Paramesh Gopi**

*President and*

*Chief Executive Officer,*

*AppliedMicro*

## Dear Shareholder,

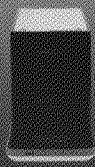
**Fiscal 2009** has been a transformational year for us. This transformation occurred during one of the toughest times for the economy in general and our company. What started out as a strong first half quickly deteriorated into a recessionary phase not seen in quite some time. As a result, we experienced the impact of cutbacks in capital expenditures by enterprise IT departments and telecommunication carriers, which quickly lead to inventory reductions in both direct and distribution channels. Opportunities are emerging out of this difficult phase as we position our company in a way that suits our focus and core competencies in delivering high-performance transport and processing technology with low power consumption.

There is a massive movement across private and public sectors in “greening” the economy. All segments of our economy are seeking ways to reduce the size of the carbon footprint they generate. AppliedMicro recognizes the role it plays and the global need in this transformational economy. The global population demands rich and immersive interactive experiences in the workplace and home. Consequently, there is increased demand for large bandwidths and high performance embedded computing and processing — all at ultra low power footprints. AppliedMicro’s technology portfolio resides at the intersection of these two important needs, and our focus is to enable the next generation of communications technologies by offering energy efficient products with the requisite performance.

A concrete example of our transformed market place is the advent of cloud computing, a model that enables users to access processing capacity and applications over the Internet. This is changing how businesses deploy their applications to employees as well as customers. The key technologies supporting this model are 10 Gigabit Ethernet (10GE) and virtualization. The EPA estimates that datacenters use as much electricity as 5.6 million homes today and that figure is on the rise. One of the benefits of virtualization is more effective use of the server infrastructure in order to conserve energy. Virtualization is also creating a demand for very low power solutions for 10GE connectivity and data processing in the datacenter.

**AppliedMicro is primarily targeting four key areas where our company benefits by providing the processing and transport layer solutions.**

- 1. Datacenters** – This segment is experiencing a massive transition toward high density, high speed, and low-power solutions. The small form-factor pluggable transceiver plus standard (SFP+) is an integral solution in enabling high port densities at 10GE, and our low-power PHY technology is positioned to address these needs. Our solutions position us to supply the backplanes in the datacenter chassis as they move to 10GE serial links. Virtualization in the datacenter is enabling cloud computing models, and our Aurora processor is designed into a key cloud datacenter container storage solution. The Aurora processor is architected to deliver the best performance for the 10GE environment with the least amount of power.
- 2. Enterprise** – Wireless access points and high density low power switches are becoming ubiquitous in today’s enterprise. Our energy efficient Priscilla processors power market leading access points and switches.
- 3. Telecom** – Metropolitan area networks are becoming an extension of enterprise networks today. The Optical Transport Network (OTN) is emerging as a key platform for delivering services such as Ethernet in a very cost effective manner while it preserves the administrative capabilities and reliability of the synchronous optical network (SONET) services that telecoms are used to deploying. Our Forward Error Correction (FEC) technology is an integral part of enabling OTN networks. Our processor solutions are also deployed in wireless base stations (BTS) in key Tier-1 platforms. This is an area that affords us the opportunity to leverage our power efficiencies in helping to reduce energy consumption in radio area networks.
- 4. SMB and Managed Consumer Systems** (Small and Medium Business and Managed Consumer Systems) – In the home, as multimedia devices converge, so does the demand for accessing content anywhere, anytime, and through any device. The need for “on demand” services continue to increase for video, personal data back-up, and instant content delivery, which in turn is creating an increasing demand for powerful processor-based system-on-a-chip (SoC) solutions. Our processing solutions are gaining design traction in areas that require the low power and high speed performance such as gateways and network-attached storage (NAS) platforms for multimedia



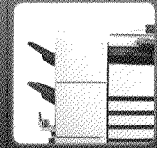
Datacenters



Enterprise  
*(Courtesy of Cisco Systems, Inc.  
Unauthorized use not permitted.)*



Telecom



SMB & Managed Consumers

applications. Multipurpose printers are emerging as a key application for our processing solutions in this segment. As devices provide the capability to print, copy, fax, store, and email, there is an increasing need to provide higher performance processing solutions along with networking capabilities. As we penetrate the SMB market, AppliedMicro is increasingly focusing on providing full solutions to our customers rather than pointed chip solutions. By providing our customers a reference design that is manufacture-ready, we provide them a competitive advantage by reducing the time it takes our customers to productize these designs and take them to market. This shift for AppliedMicro has led to much more meaningful long-term engagements with our customers who now see us as a partner rather than just another supplier.

Power requirements in the home and datacenter markets are changing to match those in the mobile handset world — more applications, more capabilities within a lower power footprint. As a result, we are investing in product development at next generation technology nodes. These moves are necessary in order to keep moving down the cost as well as the power curves.

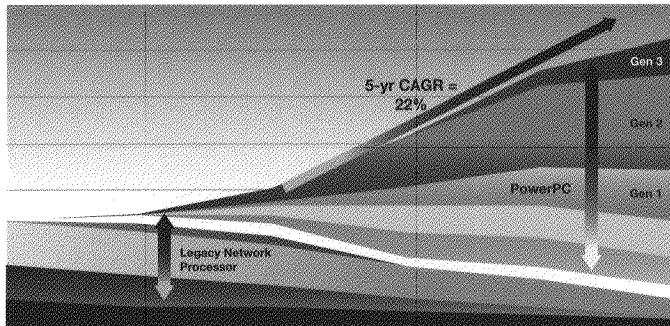
Next generation development and close customer engagements are already beginning to net us some large design wins. For example, our OTN product, Pemaquid, has won 22 Tier-1 platforms and our Yahara product is winning multiple leading designs in Tier-1 accounts as it approaches full production. This is a testament to the trust our customers place in our ability to deliver leading edge products within time and cost schedules. Our engagement with our customers at the platform level also reduces time to market.

Despite the economic challenges, we have emerged from FY09 as a strong company. Our cash and short-term investments were \$184 million at the end of FY09. We also completed the sale of our 3ware business unit to LSI Corporation for approximately \$20 million in cash in April 2009. The inventory levels in the channel and with our customers remain lean, signaling a good sign that end demand is coming back. Our management team and employees are aggressively focused on executing the vision to transform AppliedMicro into an industry leading solutions provider and partner for next generation green communications technologies.

Sincerely,

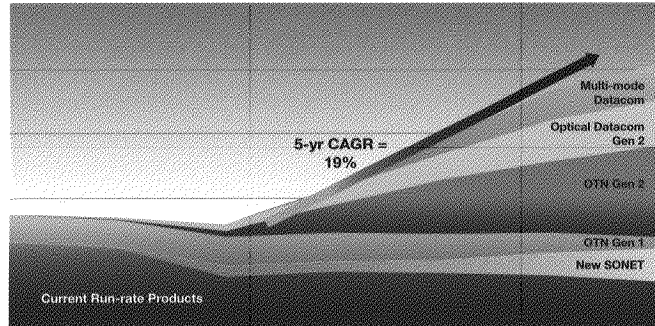
Dr. Paramesh Gopi  
President & CEO  
AppliedMicro

**Embedded Computing – Roadmap**



Over the next few years, AppliedMicro will continue to invest in developing low-power, multi-gigahertz processors in 40 and 28 nanometer cores. To be successful in this market, we will need to move to designing and developing our own cores. We believe this investment will drive our growth in our key markets and establish us as a dominant player.

**Transport and Connectivity – Roadmap**



Building on a strong base of current SONET and OTN products, AppliedMicro will not only strengthen its leadership position, but will expand into the massive Datacom market with our Optical and Multi-mode 10GE solutions.

**AppliedMicro**

www.appliedmicro.com

# Financial Highlights

|   | FY07             | FY08             | FY09              |
|---|------------------|------------------|-------------------|
| <b>Annual Revenue – \$ in Millions</b>  | <b>\$ 242.5</b>  | <b>\$ 194.1</b>  | <b>\$ 214.2</b>   |
| <b>Reconciliation of GAAP Operating Loss to Non-GAAP Operating Income (Loss) – \$ in Millions</b> | <b>FY07</b>      | <b>FY08</b>      | <b>FY09</b>       |
| <b>GAAP Operating Loss</b>  | <b>\$ (36.7)</b> | <b>\$ (52.0)</b> | <b>\$ (257.5)</b> |
| Adjustments to reconcile GAAP operating loss to non-GAAP operating income (loss):                 |                  |                  |                   |
| Stock-based compensation charges  | 8.6              | 10.1             | 9.2               |
| Amortization of purchased intangibles   | 20.6             | 19.6             | 18.9              |
| Impairment of goodwill  | -                | -                | 223.0             |
| Restructuring charges, net  | 1.3              | 3.0              | 8.6               |
| In-process R&D charge   | 13.3             | -                | -                 |
| Gain on renegotiated design tool agreement  | -                | (0.8)            | -                 |
| Litigation settlement, net  | -                | 1.1              | 0.1               |
| Expenses related to stock option investigation  | 5.3              | 1.1              | 0.1               |
| <b>Total adjustments to reconcile GAAP operating loss to non-GAAP operating income</b>            | <b>49.1</b>      | <b>34.1</b>      | <b>259.9</b>      |
| Non-GAAP Operating Income (Loss)  | \$ 12.4          | \$ (17.9)        | \$ 2.4            |
| <b>Non-GAAP Operating Margin as a Percentage of Revenue</b>                                       | <b>5.1%</b>      | <b>-9.2%</b>     | <b>1.1%</b>       |
| <b>Reconciliation of GAAP Net Loss to Non-GAAP Net Income (Loss) – \$ in Millions</b>             | <b>FY07</b>      | <b>FY08</b>      | <b>FY09</b>       |
| <b>GAAP Net Income (Loss) - from Continuing Operations</b>  | <b>\$ (23.6)</b> | <b>\$ (45.2)</b> | <b>\$ (261.1)</b> |
| Adjustment to reconcile GAAP net loss to non-GAAP net income (loss) (see details above)           | 49.1             | 34.1             | 259.9             |
| Gains on sales of certain assets  | -                | (4.7)            | -                 |
| Impairment of strategic investment  | -                | 3.0              | -                 |
| Other than temporary investment impairment  | -                | 1.7              | 17.1              |
| Income tax adjustments to reconcile GAAP net loss to non-GAAP net income (loss)                   | (0.4)            | 4.0              | (4.3)             |
| <b>Total adjustments to reconcile GAAP net loss to non-GAAP net income</b>                        | <b>48.7</b>      | <b>38.1</b>      | <b>272.7</b>      |
| Non-GAAP Net Income (Loss) from Continuing Operations   | \$ 25.1          | \$ (7.1)         | \$ 11.6           |
| <b>Non-GAAP Net Income (Loss) from Continuing Operations as a Percentage of Revenue</b>           | <b>10.4%</b>     | <b>-3.7%</b>     | <b>5.4%</b>       |
| GAAP Loss from Discontinued Operations, Net of Tax  | \$ (0.6)         | \$ (69.9)        | \$ (48.2)         |
| <b>Selected Balance Sheet Items and Other Information – \$ and Shares in Millions</b>             | <b>FY07</b>      | <b>FY08</b>      | <b>FY09</b>       |
| <b>Cash, cash equivalents and short-term investments</b>  | <b>\$ 284.5</b>  | <b>\$ 142.9</b>  | <b>\$ 184.0</b>   |
| Days sales outstanding at year end  | 48.3             | 53.4             | 29.5              |
| Inventory turns   | 4.5              | 3.3              | 3.8               |
| Purchase of property, equipment and other assets  | \$ 6.7           | \$ 7.0           | \$ 7.3            |
| Headcount at year end   | 619              | 583              | 551               |
| Annual revenue per employee (based on year end headcount)   | \$ 0.4           | \$ 0.3           | \$ 0.4            |
| Shares outstanding at year end  | 70.7             | 64.8             | 65.9              |

**Forward Looking Statements** This annual report contains forward-looking statements, including statements concerning the anticipated future direction of and factors affecting the network, storage and other markets that AppliedMicro serves, the resulting opportunities for AppliedMicro, AppliedMicro's strategy, plans, goals, focus, roadmaps, and expectations, and anticipated benefits from AppliedMicro's initiatives. These forward-looking statements are only predictions based on current information and expectations and are subject to risks and uncertainties, such as those associated with customer demand for AppliedMicro's products, which in turn is driven by the demand for AppliedMicro's customers' products; the businesses of AppliedMicro's major customers; the concentration of AppliedMicro's business on and its revenue with its major customers; reductions, rescheduling and cancellation of orders by AppliedMicro's customers; successful and timely development of new products by AppliedMicro and its customers; AppliedMicro's manufacturing capacity and execution; and general economic conditions in the United States and around the world. More information about these and other factors that could affect AppliedMicro's business and financial results is included in the "Risk Factors" set forth in the annual report on Form 10-K and in AppliedMicro's other filings with the Securities and Exchange Commission from time to time. As a result of such factors, AppliedMicro's actual business performance and financial results could differ materially from what is set forth in the forward-looking statements. AppliedMicro undertakes no duty to update the forward-looking statements contained in this annual report.

## BOARD OF DIRECTORS

### Cesar Cesaratto

Chairman of the Board  
Independent Director  
Compensation Committee –  
Chairperson Governance and  
Nominating Committee  
Former President, Wireless Systems –  
Nortel Networks Corporation

### Donald Colvin

Independent Director  
Audit Committee  
Chief Financial Officer –  
ON Semiconductor, Inc.

### Dr. Paramesh Gopi

Employee Director  
Technical Advisory Board Committee –  
Chairperson  
President and Chief Executive Officer –  
Applied Micro Circuits Corporation

### Dr. Paul R. Gray

Independent Director  
Technical Advisory Board Committee  
Professor Emeritus,  
University of California Berkeley

### Dr. Niel Ransom

Independent Director  
Compensation Committee  
Technical Advisory Board Committee  
Former Chief Technology Officer – Alcatel

### Fred Shlapak

Independent Director  
Compensation Committee  
Technical Advisory Board Committee  
Former President of Motorola's  
Semiconductor Products Sector

### Arthur Stabenow

Independent Director  
Audit Committee  
Compensation Committee  
Governance and Nominating  
Committee – Chairperson  
Former Chief Executive Officer –  
Micro Linear Corporation

### Dr. Julie Sullivan

Independent Director  
Audit Committee – Chairperson  
Governance and Nominating Committee  
Executive Vice President and Provost,  
University of San Diego

## EXECUTIVE OFFICERS

**Dr. Paramesh Gopi**  
President and Chief Executive Officer

**Robert Gargus**  
Senior Vice President and Chief  
Financial Officer

**Hector Berardi**  
Vice President, Operations

**Mike Major**  
Vice President, Human Resources

### Cynthia Moreland

Vice President, General Counsel and  
Secretary

### Shiva Natarajan

Vice President and Corporate Controller

## ANNUAL MEETING

The Applied Micro Circuits Corporation  
2009 Annual meeting of Stockholders will  
be held at 10:00 a.m., on August 18, 2009  
at the Company's headquarters located  
at 215 Moffett Park Drive, Sunnyvale,  
California 94089.

## REGISTERED INDEPENDENT ACCOUNTING FIRM

Ernst & Young LLP  
303 Almaden Boulevard  
San Jose, CA 95110

## OUTSIDE COUNSEL

Cooley Godward Kronish LLP  
4401 Eastgate Mall  
San Diego, CA 92121-1909

## TRANSFER AGENT AND REGISTRAR

Computershare Investor Services, LLC  
Shareholder Communications Team  
2 North LaSalle Street  
Chicago, IL 60602  
Phone: (312) 588-4143  
www.computershare.com  
Email: web.queries@computershare.com

## CORPORATE HEADQUARTERS

**Applied Micro Circuits Corporation**  
215 Moffett Park Drive  
Sunnyvale, California 94089  
Phone: (408) 542-8600  
Fax: (408) 542-8600

## INVESTOR INFORMATION

Exchange: Nasdaq Global Select  
Stock Market  
Symbol: AMCC

## COMPANY INQUIRIES

**AppliedMicro**  
Shiva Natarajan  
Vice President and Corporate Controller  
215 Moffett Park Drive  
Sunnyvale, California 94089  
Phone: (408) 542-8745  
Fax: (408) 542-8820

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