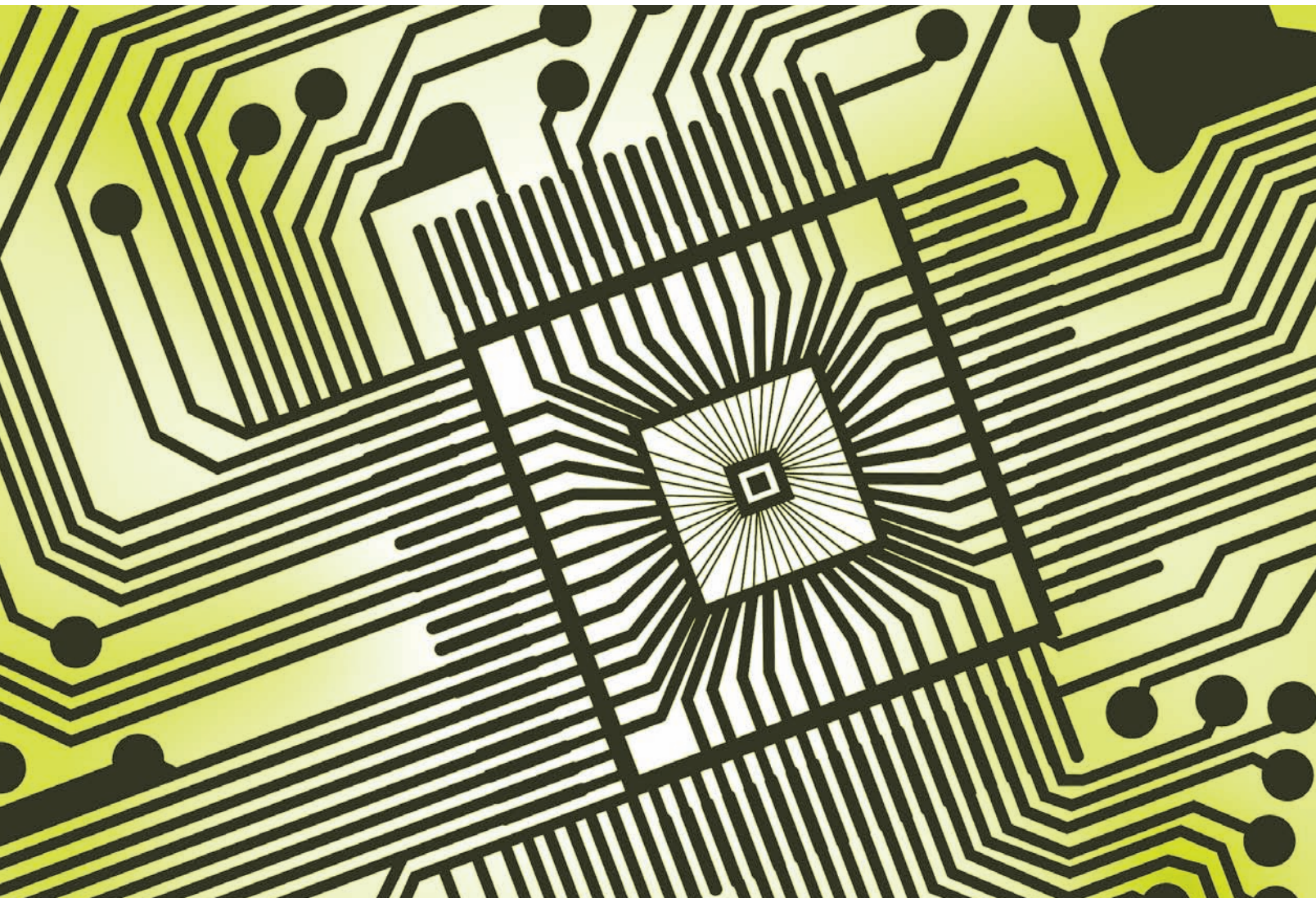
THE POSSIBILITIES ARE INFINITE

FUJITSU

CORPORATE OVERVIEW FALL 2008

FUJITSU MICROELECTRONICS AMERICA, INC.



Corporate Overview

Fujitsu Microelectronics America, Inc. (FMA) provides a comprehensive portfolio of high-quality, reliable semiconductor products and services for the wireless, networking, automotive, consumer, and other markets throughout North and South America. FMA focuses on single-chip system LSI solutions that capitalize on Fujitsu's core competencies in computers, communications, and semiconductors.

Founded in 1979 and headquartered in Sunnyvale, California, FMA is a wholly owned subsidiary of Fujitsu Microelectronics Limited (FML), based in Tokyo. FML was established as a wholly owned subsidiary of Fujitsu Limited in March 2008 to provide leading-edge semiconductor products and solutions.

Fujitsu is a leading provider of IT-based business solutions for the global marketplace. With about 160,000 employees supporting customers in 70 countries, Fujitsu combines a worldwide corps of systems and services experts with highly reliable computing and communications products and advanced microelectronics to deliver value to its customers. Headquartered in Tokyo, Fujitsu Limited (TSE:6702) reported consolidated revenues of 5.3 trillion yen (US$53 billion) for the fiscal year ended March 31, 2008. Fujitsu Microelectronics Canada Inc. (FMCI), a wholly owned subsidiary of Fujitsu Microelectronics Limited, develops leading-edge mobile WiMAX SoCs for the worldwide market.

Advanced Technologies and Services

Capitalizing on Fujitsu's world-class foundry and packaging services, the Fujitsu development teams help customers reduce the cost and risk of advanced designs using 90nm, 65nm, and 45nm/40nm wafer processes. These advanced process technologies simultaneously deliver high-speed operation and low-power consumption. This competitive edge is made possible by Fujitsu's transistor technologies; copper wiring, ultra-low-K inter-metal dielectric process technologies; and advanced SoC design methodologies, which enable full functionality from initial trial chips.

To help fabless customers and partners migrate successfully to its 90nm, 65nm, and 45nm/40nm node technology, Fujitsu enhances the typical foundry model with design and methodology services including: high-speed I/O design; IP cores; RTL design; synthesis and physical synthesis; design partitioning; floor planning; static-timing analysis; comprehensive testing; and other services critical to first-pass success.

ISO 9001:2000 Certification

In July 2008, Fujitsu Microelectronics America received the ISO 9001:2000 certificate for its sales, marketing, design and development activities and services.

Products and Services

ASIC and COT Services

Offering Customers Maximum Choices

Fujitsu's Semiconductor Manufacturing Services (SMS) group provides complete SoC design and manufacturing services to ASIC and COT customers. With vast technical resources that include highly experienced global design teams, SMS has consistently delivered first-pass success in IC development and fabrication to customers. In addition, SMS and its third-party design partners can support customers with a wide range of engagement models, from full-service ASIC to cost-effective COT, to achieve quick time-to-revenue production.

Fujitsu offers complete design and technology solutions, from 90nm down to 40nm, for high-speed and ultra-low-power applications. The company and its network of design, EDA, and IP partners enable customers to develop differentiated products in supercomputer, high-speed networking, digital audio-video, wireless, telecommunication, and other leading-edge applications.

Automotive Electronic Systems

Microcontrollers and Embedded ASSPs

Fujitsu is meeting the increasing demand for ICs in automotive applications with an innovative set of controllers that support navigation, entertainment, safety, comfort, convenience, and user-interface applications.

The Fujitsu Embedded ASSPs Connecting People to Cars

The company continues to expand its popular 8-, 16-, and 32-bit MCU families for automotive applications. New MCUs with16FX architectures feature optimized performance and low power consumption and incorporate the reliable LIN, CAN, and FlexRay interfaces. Fujitsu is pioneering the use of FlexRay in vehicle designs, offering a new FlexRay ASSP as well as an integrated 32-bit FlexRay MCU and development kit that allows designers to begin work using this revolutionary standard. Fujitsu also introduced the industry's first fully integrated IDB-1394 compliant controller for vehicle-entertainment and information systems.

IDB-1394 Single-Chip Controllers for Vehicle Entertainment Systems

The Fujitsu IDB-1394 controllers are designed for in-vehicle audio-video multimedia entertainment systems. The industry-leading controllers connect top-quality video and audio to vehicle displays from the head unit, DVD player, navigation, camera, amplifier or other device, delivering the ultimate in-vehicle entertainment.

Graphics Display Controllers for Vehicle Navigation Applications

Fujitsu is also the global leader in graphics display controls, with a complete family of products designed specifically for embedded applications. Graphics display controllers (GDCs) combine display controller functionality with graphics-rendering capability to produce single-chip solutions for displaying content on small-form-factor, high-resolution LCDs. Fujitsu introduced its first GDC in 1999 and has remained the market leader through constant upgrades and new product introductions.

The Fujitsu display controllers for automotive applications include instrument clusters, in-dash navigation, heads-up displays, and rear seat entertainment. The Fujitsu GDC roadmap is well-established through the middle of the next decade, making Fujitsu the secure supplier for embedded graphics applications.

ASSPs and Solutions

Wireless Solutions – Leadership in Broadband Wireless Access (BWA) Applications

As a founder and board member of the WiMAX Forum®, Fujitsu Microelectronics leads the worldwide promotion and implementation of new generations of BWA technology. Since starting its mobile WiMAX SoC development program, Fujitsu has been actively engaging with early-start customers and world-class base-station companies for IOT work. Fujitsu has also been supporting ODMs to commercialize a variety of MS (mobile station) form factors for mass production. These form factors include PCMCIA cards, USB dongles, and subscriber stations.

Fujitsu's IEEE802.16e-2005 WiMAX SoC was launched in June 2007 and supports MIMO and beamforming features. The second-generation mobile WiMAX SoC solution is available and targets embedded handheld applications like smart phones and PDAs. An advanced power management scheme leveraging the 65nm process technology greatly reduces on-chip power consumption. Enhanced and optimized PHY and MAC circuitry allows the chip to be more efficient for embedded applications, and compact modules combining baseband, RF, and power management chips simplify design. Fujitsu is participating in the 2008 Wave 2 certification program.

The new Mobile WiMAX (802.16e) base station SoC can support low-cost femto, pico, and even micro base-station architectures. This means that system manufacturers can leverage a single core solution across multiple small base-station platforms.

The highly integrated SoC incorporates all the PHY and MAC features necessary for a base station to meet the Mobile WiMAX Wave 2 certification requirement.

Networking Solutions – 10 Gigabit Ethernet Switch ICs for Blade Servers, ATCA and microTCA Applications

The Fujitsu 10GbE switch ICs (12-, 20-, and 26-port) were developed for bladed-chassis applications and are appropriate for advanced server and storage designs in enterprise, data center, metro network, grid computing, video server, and cluster applications. High-throughput memory and buffer management provide extremely low latencies, and integrated XAUI/CX4 or 10Gbps serial interfaces help reduce board design costs.

The latest generation is the first 802.3ap (KR) compliant 10GbE switch IC, featuring the industry's highest density of 26 ports and lowest power consumption. The new switch, which supports 10Gbps serial (KR and SFP+) and CX-4 interfaces, features state-of-the-art QoS and L2/L3 capabilities. The leading-edge integrated PHY supports KR and SFP+ and enables system designers to reduce system power and costs while enhancing performance. Furthermore, the support for the 10Gbps single-lane serial interface over the Ethernet backplanes (KR) also helps in reducing costs. The size of ATCA, microTCA and Server Blade chassis, vs. 4-lane XAUI, is helping accelerate the adoption of 10G Ethernet in chassis-based systems.

Fujitsu continues to add security and other enhanced features for enterprise applications in low-latency 10GbE switches that consume less power and are available in compact, small footprint packages. Future highly integrated switch ICs will deliver higher port counts and support next-generation features including IEEE interfaces and congestion management standards.

Microcontrollers and Embedded ASSPs for Consumer, Industrial, Computer and Appliance Applications

The microcontroller product line includes general-purpose and application-specific 8-, 16-, and 32-bit controllers for PC, consumer, and industrial applications. To support enhanced network security, Fujitsu provides a special ASSP developed for Internet appliances and other emerging applications that require high-quality encryption capabilities.

The 8-bit microcontrollers exhibit low power operation, reduced noise emissions, high-speed PLL operation, on-chip dual-operation flash, and FRAM memories. This product family also integrates many peripheral functions. Fujitsu is broadening the 8-bit MCU family with the introduction of a comprehensive range of low-pin-count products.

Fujitsu: Total WiMAX Solutions

The 16-bit MCUs offer satellite and dual-operation flash, eliminating the need for external EEPROM and improving data reliability. Multiple serial interfaces are available as well as stepper motor, inverter motor, and LCD controllers.

The 32-bit microcontroller family is based on a high-speed RISC CPU architecture. The product family features many peripherals, up to 6 channels of CAN, high-density 4MB Flash memory and on-chip FlexRay support.

Graphics Display Controllers for Medical and Industrial Applications

The Fujitsu display controllers are also ideally suited for the medical, avionics, and industrial markets. Applications include mobile information terminals, factory automation systems, patient monitors, and ultra-sound systems.

Digital Contact Controller

The Fujitsu Digital Contact Controller (DCC) converts the capacitance that is generated between the human body and a conductive touch pad to digital data without any analog signal processing. The fully digital touch-sensor IC simplifies navigation and speeds up access to content in portable devices such as mobile phones, multimedia players, and PDAs.

The Fujitsu DCC can replace some of the mechanical switches and buttons used in electronic products.

New Businesses: Consumer-Centric Semiconductor Products

Fujitsu's strength in imaging and video processing can be seen in the success its customers enjoy providing solutions for digital cameras, digital video cameras, set-top-boxes (STB), digital video recorders (DVR), digital TVs, and similar products.

The leading-edge full High-Definition (HD) H.264 CODEC products can compress and decompress full HD video (1,920 dots x 1,080 lines) in the H.264 format in real time. The full HD/SD transcoder can convert from MPEG-2 to the higher compression H.264 format to reduce data storage requirements.

Fujitsu is a leading supplier of imaging processing solutions for the digital camera and handset market.

The new OFDM IC enables the reception of ISDB-T digital terrestrial broadcasting and digital terrestrial audio broadcasting at a low BOM cost.

The highly efficient power-management IC for ultra-mobile PCs (UMPCs) substantially reduces the board area of power. The chip is designed to supply power to the system, memory, and chipsets in UMPCs.

President's Message

Customer-Centric Focus

As many of you know, Fujitsu Limited established Fujitsu Microelectronics Limited (FML), our parent company, in March 2008 to better serve the rapidly changing semiconductor industry globally and to meet our customers' technological and time-to-market requirements.

In addition to the mainstay ASIC and COT offerings, FML will expand its lineup of ASSPs, microcontrollers, analog ICs, and other general-purpose products. These measures will enable the new company to increase the proportion of high-value-added products among its offerings and ensure stable capacity utilization.

Like our parent company, FMA is committed to being resilient, flexible, and customer-centric. We share the following missions with FML:

- To provide environmentally friendly semiconductor products
- To provide semiconductor products, prototype boards, and solutions for embedded system products
- To meet the needs of our customers worldwide through our global network.

Our Emphasis

We continue to emphasize our Integrated Device Manufacturing (IDM) business model and to focus on these business areas in the Americas:

- ASIC and COT, using our 90nm and 65nm process technologies, and engaging with our customers in 45nm/40nm process technology. Our customers benefit from Fujitsu's investment in advanced process technologies. The core wafer fab facility in Mie, Japan, is mass-producing logic ICs, offering optimized solutions and high-performance products.

- The automotive market, where we have enjoyed major design wins with our IDB-1394 and graphics display controllers. We integrate FlexRay® into our automotive-proven, 16-bit and 32-bit microcontrollers, completing our product portfolio dedicated to the automotive market.

- Embedded solutions, including general-purpose 8-bit, 16-bit, and 32-bit MCUs as well as specialized ICs for peripheral control for consumer, medical, and industrial applications. Our graphics display controllers are also ideally suited to the medical, avionics and industrial markets.

- Wireless, with a specific focus on the WiMAX mobile SoC. Our new mobile WiMAX chipset is optimized for small embedded modules targeting mobile WiMAX devices such as smart phones and PDAs. Our WiMAX teams are working on the newest devices to serve the emerging broadband wireless access market.

- Networking, featuring industry's highest density, lowest power and smallest footprint 10GbE switch IC. This new L2/L3 capable device features the direct support of a 10Gbps serial interface for Ethernet backplanes standardized as 802.3ap (KR) on all 26 ports, as well as SFP+ capability.

- In the digital audio-visual equipment area, our new product lineup includes an HD H.264 format video-processing IC, an H.264 transcoder, an image-processing system IC, OFDM IC for digital terrestrial broadcasting reception, and power management IC for ultra-mobile PCs.

I am proud that, in this past year, we received the ISO 9001:2000 certificate for our sales, marketing, design, and development of ICs.

Moving Forward

FMA and its parent company FML in Japan are changing to better meet the needs of our customers. I have a mission to expand FMA's business, to nurture U.S.-centric business opportunities to become global forces, and to be the engineering engine to help grow our business and our customers' businesses worldwide.

Shinichi "James" Machida
President and Chief Executive Officer

New business opportunities can take many different forms, including working on new technologies, applications, business models, products or products using new standards. For example, we have been nurturing our WiMAX and 10Gbps Ethernet switch IC businesses in the United States and are now expanding these businesses to the global marketplace. I look forward to working on more of these new businesses closely with our customers and business partners as we serve as the focal point to nurture the business opportunities cultivated here.

Our talented employees are committed to providing the best solutions and services. The combination of advanced technologies and professional commitment positions us as a complete silicon solution provider. I am confident that we will grow by helping our customers differentiate their products, enhancing their competitive advantage and helping them succeed.

Sunnyvale, CA
August 2008

Product Offerings

ASIC and COT Services

Foundry Services

- 90nm, 65nm, 45nm/40nm advanced process technologies
- World-class, high-performance transistors and low leakage transistors
- Low-K and ultra-low-K inter-level dielectric
- Supported by a comprehensive set of IPs

ASIC Solutions

- High-performance CMOS ASIC using advanced process technologies including 90nm, 65nm, and 45nm/40nm
- IP-based SoC ASIC
- Proven ASIC design methodology
- Supported by a comprehensive set of IPs, including 6.4Gbps and 10Gbps SerDes, SATA2, the PCI-E family of products, and the ARM family of processor cores

Advanced Packaging and Test Services

- Wafer bumping for 8" and 12"
- Flip chip assembly plastic and ceramic
- Low-K assembly, SiP, die stacking, BCCs, MCMs

Embedded Solutions

Microcontrollers and Automotive Network Controllers

- 8-, 16-, and 32-bit microcontrollers for automotive, consumer, and industrial applications
- Large embedded flash and dual operation flash
- FlexRay, CAN, LIN support
- IDB-1394 support
- USB host, function, mini-host or OTG

Graphics Display Controllers

- 2D and 3D graphics display controllers
- Support for multiple displays
- Up to eight video layers
- Video capture

Digital Contact Controllers

Video Processing ICs

- High-Definition H.264 CODEC LSI products

Image Processing System IC

OFDM IC for Digital Terrestrial Broadcasting Reception

Power Management ICs

Wireless Solutions

WiMAX

- IEEE802.16e-2005-compliant mobile WiMAX SoC
- Mobile WiMAX SoC that includes MIMO and beamforming functions
- IEEE802.16-2004-compliant fixed WiMAX SoC
- Fully integrated OFDM PHY and MAC fixed WiMAX SoC

Networking Solutions

Networking ASSPs

- 12-port, 10Gbps Ethernet switch chip with XAUI/CX4 interface
- 20-port, 10Gbps Ethernet switch chip with XAUI/CX4 and 10Gbps serial interface
- 26-port, 10Gbps Ethernet switch chip with 10Gbps serial-KR and XAUI/CX4 interface

Memory Products

- High-speed, non-volatile memory including standalone FRAM and RFID ICs
- Fast Cycle RAM (FCRAM) – pseudo-SRAM

FUJITSU MICROELECTRONICS AMERICA, INC.

Corporate Headquarters
1250 E. Arques Avenue, M/S 333, Sunnyvale, CA 94085-5401
Tel: (800) 866-8608 Fax: (408) 737-5999
E-mail: inquiry@fma.fujitsu.com Web Site: http://us.fujitsu.com/micro

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