ARM Licences ARM11 Family Cores To Matsushita Electric

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ARM today announced that it has licensed the ARM1176JZF-S™ processor and the ARM1136JF-S™ processor to Matsushita Electric Industrial Co., Ltd. for use in **next-generation mobile application processors and digital consumer products** such as digital AV devices.

These cores, in addition to the previously-licensed ARM7™ and ARM9™ family cores, will expand Matsushita's portfolio of ARM® core-based, advanced digital products and will enable them to meet their customer needs. Matsushita is the first public licensee of the ARM1176JZF-S processor core in Japan and will develop high-performance, feature-rich, system-on-chip (SoC) products.

The ARM1176JZF-S core is designed for use in consumer electronics and wireless products. It features ARM TrustZone™ technology to ensure a secure computing environment suitable to protect user secrets, device integrity and electronic transactions. The ARM1176JZF-S core also includes an integrated floating-point coprocessor, making it ideal for embedded 3D-graphics applications. The core also supports ARM Intelligent Energy Manager (IEM) technology, which reduces processor energy consumption by up to 25 percent.

The award-winning ARM1136JF-S core is designed for network infrastructure, and for consumer and automotive entertainment applications such as digital TV and navigation. The core features the ARMv6 instruction set with media extensions, ARM Jazelle® technology, ARM Thumb® code compression, and optional floating-

point coprocessor.

"The ARM11 family is feature-rich and highly efficient in power consumption," said Yoshifumi Okamoto, director of System LSI Technology Development Center at Matsushita's Semiconductor Company. "They will further support more rapid development of innovative Panasonic digital products to satisfy our customers worldwide."

"Matsushita is the first public licensee of the ARM1176JZF-S core in Japan," said Takio Ishikawa, president ARM K.K. "This also shows they have confidence in ARM and our ability to support the high performance and unique security features required in the wireless and consumer electronics markets. ARM continues to deliver innovative technology to meet the requirements from these key markets."

Source: ARM