GLANCE

Increasing the power of a single-chip PC, SGS-Thomson has introduced a product based on a 66-MHz 486 core, and it plans to ship a 133-MHz version in 1H98. The chip provides a complete UMA-based PC with PCI and video logic; the motherboard needs only DRAM and a super I/O chip to be added. With the STPC chip, designers can quickly create an "embedded PC" for applications such as point-of-sale terminals. Future derivative chips may have different peripherals.	. 1
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Looking ahead to the 0.18-micron generation, microprocessor makers see interconnect delays becoming much more critical than transistor speed. Changing the shape of the metal traces provides some relief, but most chip makers, led by IBM and Texas Instruments, are looking to use alternative materials, such as copper metal traces and low-k dielectrics, to improve the RC product.	14
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Microprocessor Report (ISSN 0899-9341) is published every three weeks, 17 issues per year. Rates are: N. America: \$595 per year, \$1,095 for two years. Europe: £450 per year, £795 for two years. Elsewhere: \$695 per year, \$1,295 for two years. Back issues are available.

Published by

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Computer Press Award, Best Newsletter, Winner, 1993, 1994; Runner-Up, 1996



Printed on recycled paper with soy ink.