

Recent IC Announcements

Part Number	Vendor	Description	Price/Quantity	Availability
Embedded Microprocessors				
68EN360	Motorola 512.891.3434	25-MHz 68020-based microcontroller with four fast serial ports. Can be configured for two Ethernet ports. 2.5K on-chip RAM.	\$59.90/10K	Prod.—4Q93
PIC17C42-25	Microchip 602.786.7200	25-MHz version of existing 8-bit microcontroller (see 060104.PDF). 2K × 16 code ROM, 256 bytes RAM. 160-ns instr. cycle.	\$19.50/100	Prod.—4Q93
μPD7805x μPD78P054	NEC 800.366.9782	Low-end 8-bit microcontrollers for 2.7-V to 6-V operation. Up to 32K ROM ('54) or OTP ROM ('P54), 1K RAM, 8-chan. 8-bit ADC, 2-channel 8-bit DAC, and UART. Minimum instruction is 400 ns.	\$13.50/1K ('P54)	Prod.—Now
ADSP-21msp5x	Analog Devices 617.461.3881	Cost reduced versions of DSP with on-chip codec, 2K 24-bit words code ROM ('56) or ROM-less ('55), 2K code RAM, and 1K data RAM. Instruction cycle is 77 ns.	\$49/1K ('55)	Samples—Now Prod.—4Q93
Memory				
M5M4V4169	Mitsubishi 408.730.5900	256 K × 16 DRAM with 1K × 16 SRAM on-chip cache for operation at 3 V. Speeds are 70 and 80 ns for DRAM, 15 and 20 ns for SRAM.	\$14.50/100	Samples—Now Prod.—4Q93
Peripheral Chips				
NCR 77C32BLT	NCR 800.334.5454	32-bit VL-Bus graphics controller for DRAM-based frame buffers on the PC. Includes BitBLT engine and 24-bit color support.	\$22/10K	Samples—Now
TMS380C24	TI 800.477.8924 x3991	Dedicated communications processor for full-duplex Ethernet interface up to 10 Mbit/s.	\$44.60/10K	Samples—4Q93 Prod.—1Q94
TMS380C27	TI 800.477.8924 x3991	Dual-protocol dedicated comm. processor for Ethernet/token-ring interface up to 10 Mbit/s. Faster, smaller version of '380C26.	\$54.60/10K	Samples—4Q93 Prod.—1Q94
32C9023 32C9024	Silicon Systems 714.573.6200	SCSI-2 disk controllers with up to 72 Mbit/s transfer rate to disk, 10 Mbytes/s across the SCSI interface.	\$17/1K ('9023)	Samples—Now Prod.—4Q93
32C9003	Silicon Systems 714.573.6200	Enhanced ATA (fast version of PC/AT bus) disk controller with up to 72 Mbit/s transfer rate to disk, 13.3 Mbytes/s across host bus.	\$16/1K	Samples—Now Prod.—Now
YTM414 YTM414-T	Yamaha 408.437.3133	9600 baud fax modem for 5-V or 3.3-V operation. '414-T package is only 1.0 mm thick.	\$16/1K	Samples—Now Prod.—Now
System Logic				
Wagner chip set	Symphony 408.986.1701	Two-chip set for 486-based AT-compatible systems with second-level writethrough or copyback cache. Speed up to 66 MHz.	\$16/10K	Samples—Now
Programmable Logic				
iFX740	Intel 800.548.4725	Field-programmable complex PLD based on SRAM cells. Each of four blocks configurable as 24V10 equivalent or 128 × 10 SRAM. Pin-to-pin combinatorial speeds 10 and 15 ns. 44- or 68-PLCC.	\$18.90/100 (-15, 68 pin)	Samples—Now Prod.—4Q93
Interface				
ML6671	Micro Linear 408.433.5200	FDDI-compatible interface chip designed for use with twisted-pair wire, rather than optical fiber. Speed up to 180 Mbit/s.	\$20/1K	Prod.—Now
LTC1257	Linear Tech. 408.432.1900	12-bit, single-supply (5 to 15 V), three-wire serial interface DAC. 6 μs settling time.	\$4.45/100	Samples—Now Prod.—4Q93
AD7890	Analog Devices 617.937.1428	12-bit, single-supply serial A/D converter with 8-channel input multiplexer. Multiplexer output and ADC input are on separate pins, allowing filter to be inserted. Speed is 100 ksamples/s.	\$10.20/1K	Prod.—Now
AD660	Analog Devices 617.937.1428	16-bit serial/byte-input DAC with asynchronous clear to zero level. ±15-V and 5-V power required. 10 μs settling time.	\$16/100	Prod.—Now