

Recent IC Announcements

Part Number	Vendor	Description	Price/Quantity	Availability
General-Purpose Microprocessors				
VR4200	NEC 800.366.9782	Version of the MIPS processor runs at 80 MHz (40 MHz external clock), achieves 55 SPECint92, 30 SPECfp92. Uses 1.5 W at 3.3 V.	\$80/1	Samples—Now
Embedded Microprocessors				
ADSP-2171	Analog Devices 617.937.1428	16-bit fixed-point DSP reaches 33 MIPS, has low-power modes that use as little as 1/2 mW. Includes 2K × 24-bit program RAM, 4K or 16K ROM.	\$25/100K	Samples—Now
VY86C570	VLSI 602.752.6308	Fuzzy-logic coprocessor based on the VY86C500 core, is 20–30 times faster than software solutions. On-chip 4K-word rule-base memory.	\$40/1K	Samples—Now Prod.—1Q94
Memory				
KM29N16000T	Samsung 800.446.2760	16 Mbit Flash memory based on NAND gate technology. Operates at 5 V. 1,000,000 erase cycles gives 10 times the life of NOR-based memories.	\$98/100	Samples.—Now
MT5LC2561 MT5LC2564/5	Micron 208.368.3900	10-ns 256-Kbit SRAM operates at 3.3 V. 5-V tolerant inputs and outputs. Available as 256K × 1, 64K × 4, and 32K × 8.	\$10/100	Samples—Now Prod.—1Q94
24C32 24LC32	Microchip 602.786.7200	32-Kbit serial EEPROMs, extend PC addressing up to 256 Kbits. "C" version operates at 5 V, "LC" version at 2.5 V.	\$3.17/1K \$3.49/1K	Prod.—Now
Peripheral Chips				
ICS2572	ICS 215.630.5100	Clock generator for high-resolution, high-refresh-rate video, programmable on-the-fly. PECL clock outputs to 185 MHz, two PLLs.	\$5.10/50K	Samples—Now
91C92	SMC 516.435.6024	Single-chip Ethernet controller with 4.6K RAM, CSMA/CD engine, ENDEC, ISA, 10BaseT, and AUI interfaces.	\$22.32/100	Prod.—Now
CS4920	Crystal Semi. 512.445.7222	Complete audio decompression system on a chip. Includes analog circuitry and a 24-bit DSP that supports a range of decompression standards.	\$38/1K	Samples—Now Prod.—1Q94
Interface				
CY7B923 CY7B933	Cypress 408.943.2600	HOTLink receiver and transmitter converts data between 8-bit parallel and serial data at 160–330 Mbps for use with fiber, coax, and twisted pair.	\$60/100 pairs	Prod.—Now
DS1620	Dallas 214.450.0448	Temperature sensor with direct digital output. 1/2°C resolution over a range from -55° to +125°. Can also operate as a thermostat.	\$2.50/5K	Prod.—Now
ML2653	Micro Linear 408.433.5200	Single-chip Ethernet 10BaseT transceiver. Full-duplex mode doubles Ethernet rate to 20 Mbps. Current drive reduces common-mode noise.	\$8.85/1K	Prod.—Now
AD1B60	Analog Devices 617.937.1428	Complete sensor-to-digital signal conditioner accepts input from thermocouples, etc., outputs data in engineering units over two serial interfaces.	\$39.30/1K	Prod.—Now
Bit8920	Brooktree 619.535.3273	High-speed digital subscriber line meets strict signal/noise requirements to minimize analog filtering. Allows T1/E1 service over repeaterless, unconditioned, twisted pair.	\$38/100K	Samples—Now
System Logic				
BA6129/F BA6162/F	Rohm 615.641.2020	Voltage-monitoring ICs with switch for battery backup.	\$0.50/1K	Prod.—Now
MTA11200	Microchip 602.786.7200	TrueGauge battery-monitoring IC can be built into a battery pack. Continuously calibrates and compensates for battery nonlinearities, temp.	\$3.75/10K	Prod.—Now