# CHART WATCH: PC PROCESSORS

| | 11/1/95* | 2/1/96* | %CHG |
|---|---|---|---|
| PPro-200/512K | $1,989 | $1,528 | –23% |
| PPro-166/512K | $1,682 | $1,319 | –22% |
| PPro-200/256K | $1,324 | $1,018 | –23% |
| PPro-180/256K | $1,075 | $911 | –15% |
| PPro-150/256K | $974 | $804 | –17% |
| Pentium-166 | $749 | $632 | –16% |
| Pentium-150 | $547 | $428 | –22% |
| Pentium-133 | $520 | $321 | –38% |
| Pentium-120 VRT | $681 | $292 | –57% |
| Pentium-120 | $357 | $252 | –29% |
| Pentium-100 | $300 | $198 | –34% |
| Pentium-90 VRT | $272 | $198 | –27% |
| Pentium-90 | $247 | $198 | –20% |
| Pentium-75 VRT | $178 | $106 | –42% |
| Pentium-75 | $158 | $106 | –34% |

*list price in 1,000s          VRT indicates 2.9-V tolerant          (Source: Intel)

| Vendor | Part/Clock | Rating | List Price* | Avail |
|---|---|---|---|---|
| Cyrix/ IBM | 6x86-133 | P166 | $621/$590 | 2Q96 |
| | 6x86-120 | P150 | $451/$400 | now |
| | 6x86-110 | P133 | $326/$300 | now |
| | 6x86-100 | P120 | $251/$185 | now |
| | 5x86-120 | P90 | $102/— | now |
| | 5x86-100 | P75 | $68/$68 | now |
| NexGen (AMD) | Nx586-133 | P133 | $265 | now |
| | Nx586-120 | P120 | $200 | now |
| | Nx586-93 | P100 | $144 | now |
| AMD | 5x86-133 | P75 | $74 | now |
| | 486DX4-120 | n/a | $68 | now |
| | 486DX4-100 | n/a | $63 | now |
| TI/SGS- Thomson | 486DX4-120 | n/a | —/$72 | 1Q96 |
| | 486DX4-100 | n/a | $55/$40 | now |
| | 486DX2-66 | n/a | $25/— | now |

*list price in 1,000s          n/a=not applicable          (Source: vendors)

This Chart Watch covers x86 and PowerPC processors for PC and Macintosh systems. The first table shows the latest pricing for Intel processors. The second table provides comparable pricing from other x86 vendors. Where there are multiple sources, the two prices are separated by a slash.

The figure at right shows historical Intel pricing back to 4Q94 and MDR's projected Intel pricing through 4Q96. The figure below graphs the manufacturing costs of these chips as estimated by the MDR Cost Model.
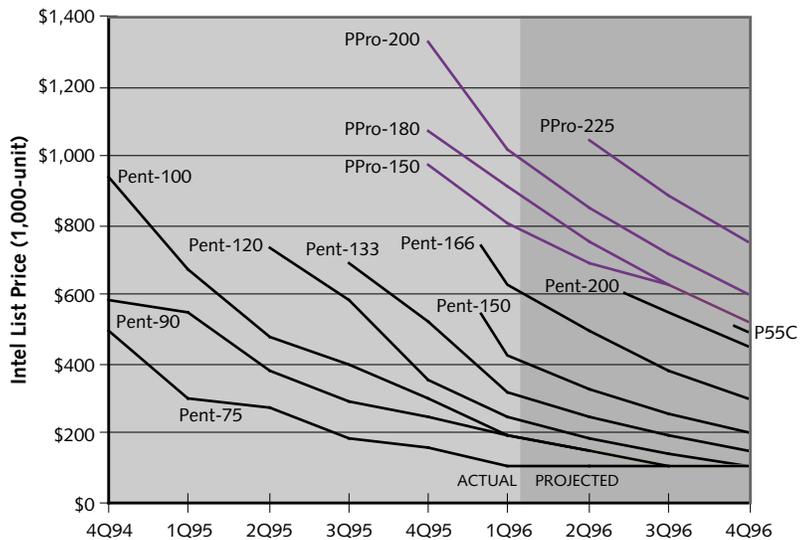


### Estimated Manufacturing Cost
(Source: MDR Cost Model)

| Part | Cost |
|---|---|
| P6/256K, 0.5µ | $255 |
| P6/256K, 0.35µ | $205 |
| Cyrix 6x86 | $105 |
| Nx586 | $100 |
| PowerPC 604 | $95 |
| Pentium, 0.5µ | $75 |
| Pentium, 0.35µ | $60 |
| PowerPC 601 | $55 |
| Cyrix 5x86 | $45 |
| PowerPC 603e | $40 |
| AMD 486DX4 | $27 |
| AMD 5x86 | $26 |
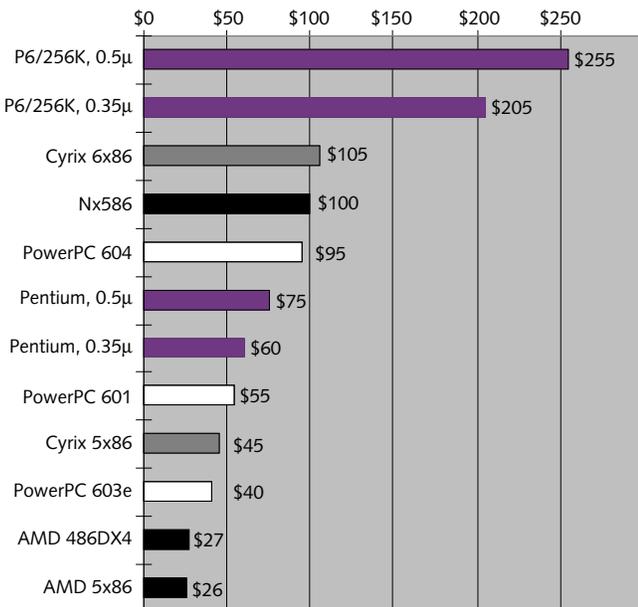
The table below compares IBM's current PowerPC pricing against comparable Intel parts; Motorola also sells PowerPC processors, but its prices tend to be slightly higher than IBM's. The "rating" reflects comparable integer performance based on SPECint95 (base) and does not include floating point.

| | Rating | IBM* | Intel* |
|---|---|---|---|
| PowerPC 604-150 | P200 | $520 | $804 |
| PowerPC 604-133 | P167 | $443 | $632 |
| PowerPC 604-120 | P150 | $338 | $428 |
| PowerPC 604-100 | P120 | $324 | $252 |
| PowerPC 603e-120 | P120 | $215 | $252 |
| PowerPC 603e-100 | P100 | $150 | $198 |
| PowerPC 603e-80 | P75 | $141 | $106 |
| PowerPC 601-100 | P100 | $150 | $198 |
| PowerPC 601-80 | P75 | $139 | $106 |

*list price in 1,000s          (Source: vendors except MDR for P-rating)